MISSION iPod™ / Walkman™ SPECS

ZU AUDIO MISSION MINIPHONO Mk.I [REV-A] LINE-LEVEL CABLE SPECIFICATIONS + INFORMATION

Design	Zu Mission Miniphone (iPod, Walkman...) combines Zu and W.L. Gore® stereo transmission technologies and marries it with cutting edge manufacturing and regulated shielding within a copper core silver skin platform; the result is a stereo signal transmission that is virtually immune to RF and realizes a lower noise floor from your system than other cables. Zu Mission Miniphono is specifically designed for two-channel stereo, line-level single-ended transmission and combines the Zu / Gore™ two-channel geometry with an overall high conductance, regulated shield to ensure pristine and perfectly matched propagation channels for your sensitive personal audio music signals.
Device Under Test	Zu Mission Mini > RCA 3.3' [1.0 m] Mk.I Rev-A
Production	Q3 2010—
Cable Format	two-channel stereo within single RF cage with discrete channel leadouts
Signal Conductor Metallurgy	pure U.S. refined, drawn and processed copper core with direct heavy deposit pure silver skin
Ground Conductor Metallurgy	pure U.S. refined, drawn and processed copper core with direct heavy deposit pure silver skin
Shield	95% high magnitude braid screen is floating at source end of cable terminated/shorted at load
Cable Geometry	Zu / Gore™ two-channel single-ended transmission
Signal Wire Geometry	low strand count, perfect lay
Ground Wire Geometry	low strand count, perfect lay
Dielectrics	virgin white PTFE / all circuits
Cable Sheath	PET
Leadout Sheath	PET
Connector Barrel Metallurgy	thin wall aluminum
Connector Termination	silver bearing solder / cold forged and sealed, 100% diamagnetic
Y-out Metallurgy & Makeup	100% diamagnetic
Directional	yes, direction arrows printed on y-out barrel
Crosstalk	nil, channels are separated by virtual ground barrier
Bandwidth	DC—1GHz
RF Shielding	high magnitude silver over copper braid + Zu / Gore™ geometry
Rs Signal	0.065 Ω
Rs Ground	0.065 Ω
Cp pin / shield	130 pF
Cp Signal ch. A / Ground ch. B	130 pF
Cp ch. A / ch. B	47 pF
Ls Signal	1.6 uH
Ls Ground	1.6 uH
Bend Radius	1" [25 mm]
Cable Diameter	0.175" [4.45 mm]
Leadout Bend Radius	1/2" [12.7 mm]
Leadout Cable Diameter	0.16" [4.06 mm]
L / R Leadout Span	12" [31 cm] standard, custom options available
RCA Barrel Diameter	0.47" [12 mm]
Tolerance	greater than 0.01% on all inter-channel measures
RoHS	compliant
Design	Zu Audio & W.L. Gore®
Manufacturer	Zu Cable Inc. Ogden, Utah
Manufacturers Country Of Origin	U.S.A.
Life Expectancy	100 years+
Warranty & Service	limited lifetime, does not cover misuse or abuse

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If you are using the headphone output of your portable player, phone, table... you will hear a sonic improvement by switching out whatever cable it is you are using to Zu Audio Mission Miniphone. Better resolution of tone, detail, and less noise in your system, with more impact from bass, mids and treble.

Mission Miniphone is available with standard 1/8" [3.5 mm] miniphone TRS connector on both ends, or miniphone to RCA format.

Zu Mission Miniphone is based around our Mission RCA line-level analog interconnect cables, and they improve the sound of your system by lowering noise, improving top to bottom resolution... but the biggest area of improvement is in stereophonic imaging—no other cable will be as convincing as Zu Mission RCA for stereophonic magic.

Performance goals are realized through the correct application of Zu and Gore® cable technologies, which bond the two channels in the same dielectric space providing identical left / right channel conditions and performance, an advantage that is not possible with traditional white / red coax cables. Zu Mission also use innovative material technologies such as Teflon® (PTFE) dielectric and pure silver heavy deposit over pure copper core for both signal and ground. The connectors are also specifically engineered and made for the Mission RCA cable geometry. Termination of the assembly is a solderless cold forge process. These are a few of the features that ensure your cables will really perform, and for decades without worry or trouble.

ZU MISSION KEY FEATURES & BENEFITS

- Zu / Gore®-Quad shared dielectric two channel bonded cable geometry for low electromagnetic interference susceptibility and guaranteed near perfect left / right measures and behavior ensures the highest level of stereophony.
- Dense electric and magnetic signature, as well as the cables physical dimensions, further guard against RF and audiogenic noise and allow for small and easy handling quality.
- The very low, uniform and square reactance of Mission Miniphone facilitates very long runs without bandwidth loss or phase issues.
- Uniform, symmetrical balanced impedance characteristics of Mission Miniphone reduce standing waves and contribute to the stable propagation of intelligence in short or long runs.
- Zu Mission Miniphone has no direct current (DC) offset like in coax designs and features perfect symmetry between left and right channels. This near identical relationship between channels guarantees the highest possible recreation of dimension, density, and tone. Mission Miniphone also has a reduction of the critical parallel capacitance (Cp) measures, 40% less compared to coax with the same conductance measures.
- Virgin white PTFE (Teflon®) insulation with identical electrodynamic relationships provide a very low dielectric constant and exceptionally low dissipation factor—features that improve bandwidth, phase relations, and overall musical resolution. Our competition uses wires insulated with different colors and usually PE or PVC, products which are a much greater impediment to fidelity. While you wouldn't think so, each color and pigment has it's own influence on sound which brings about subtle shading and differences in net tone as well as tone between left and right channels. So why doesn't Zu's competition follow our lead? Because it's hard. Color coded and easy to work with insulation is much faster, plus it's essential for a nontechnical outsourced labor force. We do it because we make it.
- Zu silver alloy perfect lay conductor for low noise and high conductance of signal, as well as shunting of RF noise.
- Designing from the ground up and manufacturing in-house provides better integration of components such as wire, insulation and connector, resulting in a cable assembly that not only sounds bitchin' but feels good and will last a lifetime.
- Designed and built as a system by Zu in Ogden, Utah, U.S.A.