PRODUCT DATA SHEET

UniPlane Preassmbled Groundplane

Standard & High Flexibility

Models ULTRA10, SF10 & SF25

UniPlane Preassmbled Groundplanes are composed of insulated, bonded copper radial wires. Each radial extends outward in every direction, creating a circular pattern. This horizontal, circular arrangement is the Most efficient means of antenna grounding for producing the most signal range, watt for watt. Ready for deployment, it may be used on the surface or buried.

INSTALLATION GUIDELINES

UniPlanes serve as a groundplanes or counterpoises for vertical antennas. Connect the UniPlane lead line to your transmitter/transceiver ground. Install it horizontally, centered directly beneath the antenna. It may be suspended above the ground, laid on the surface or buried. For long-term operation, a ground rod should be driven in conjunction with the UniPlane in order to provide a route to ground, protecting the connected transmitter/transceiver from lightning damage.

Fan the UniPlane's radial elements in all directions evenly into the space around the antenna. Do not be concerned if some radial wires may cross. If there is a restriction in distance in certain directions, bend the wires laterally as needed to best navigate around the obstruction and fill the area.

If the UniPlane is un-buried, you may place nonconductive items on top of the radials to prevent wind from moving them. The wires may also be tethered to such items to keep the wires in place, as needed.

In portable applications the UniPlane can be easily tugged from its lead line and will collapse for simple roll-up and pack-up.

WARRANTY | REPAIR & REPLACEMENT | REMOTE TECH SUPPORT

Information Station Specialists (doing business as The Radio Source) provides a one-year, limited warranty on new products against defects in materials and workmanship under normal use. We also

provide repair and replacement and, best of all, remote technical support for the life of the product. See our promise.

HOW TO ORDER

Request quote.

TECHNICAL SPECIFICATIONS

Feature	Description
Radial Elements	32.
Element Lengths	10-50’ (*).
Custom Designs	For special applications.
High Flexibility Model ULTRA10	Radial Wires: 16 AWG, high flexibility, stranded copper (195 - 30 AWG strands per wire), insulated (black). Typical Environment for MAX: For temporary deployment on flat surface (roof, parking lot or earth base). Typical setup time: fewer than 10 minutes. Typical stowing Time: less than one minute. (*)
Standard Flexibility Models SF10 & SF 25	Radial Wires: 14 AWG, stranded copper (19 - 27AWG strands per wire), insulated (black). Typical Environment for PRO: Buried, surrounding a pole-mounted antenna; affixed to flat roof with installation kit.
Pigtail	4 AWG; high flexibility stranded copper, (374 – 30 AWG strands), 5-ft. length, insulated (black) with bare, soldered termination.
Weight	5-10 lbs. (*)
Factory Assembled	Ready for surface deployment or burial.
Footnote: (*) Varies with groundplane model and size.	