

Installation Guide

UHF Mobile Communication Antenna | LT-ANTMU-430-450-3

Preparation Before Installation

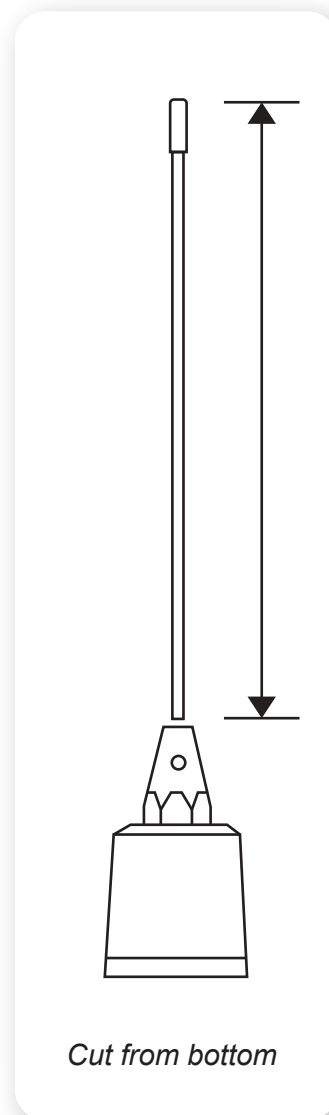
Assemble the antenna per the diagram attached. To obtain the lowest VSWR (standing wave ratio), the antenna must be cut to the specific frequency of operation (see cutting chart). The stainless material used in the antenna is very strong and requires special tool for cutting. We suggest, "Scoring" the stainless whip to a 75% depth and using two plier to snap off the unused portion. Use care to avoid any accident, wear protective PPE gear while tuning the antenna to the frequency needed. File down any "burrs" on the cut off portion. The coil assembly is factory tuned and sealed, no adjustment to the coil is necessary.

Installation

For ground plane dependent antenna, the center of the vehicular roof is the best location for your mobile antenna installation. Satisfactory results are obtained on the fender or trunk deck. When mounting any antenna, especially a low band antenna, carefully choose the mounting location to provide an adequate ground plane and free space for the radiator. If the radiator's position is too close to the metal side of the vehicle, low VSWR may be compromised.

This series require an "NMO" type of mount and can be complemented with LT-NMO-BNC-18FT NMO 3/4" zinc plated mount from Lamatel.

Note: always use protective eyeglasses when cutting or filing metal rods.



LT-ANTMU-430-450-3	
Frequency	Length
430 MHz	322 mm
435 MHz	312 mm
440 MHz	300 mm
445 MHz	295 mm
450 MHz	286 mm

