

INSTRUCTIONS:

'Firestik' AR-1A Match Maker

Connect the AR-1A to your 'Firestik' antenna lead (see diagram). The pin plug terminated wire must be plugged into the AM/FM radio antenna jack. The screw-on PL-259 must be connected to either the antenna input side of an SWR meter or directly to the CB radio. We strongly recommend that you use an SWR meter to tune your antenna before attempting to make final adjustments with the AR-1A. Severely mistuned antennas could cause damage to CB radio circuits.

FM RADIO TUNING: No tuning is required for FM broadcasts.*

**No Ground Plane antennas are CB/FM compatible only. Find a weak station near the center of the FM band when working with No Ground Plane systems and refer to AM TUNING Instructions.*

IMPORTANT NOTE: Tuning tool must be removed for all SWR checks and AM tuning adjustments. SWR or signal readings with tool in place will be inaccurate.

AM RADIO TUNING: Find the weakest AM station near the 1000 KHZ frequency range on the radio dial. Insert the supplied tuning tool into the screw hole marked "RADIO TUNING" and turn the screw clockwise and/or counterclockwise until the loudest signal is attained.

CB RADIO MATCHING: The CB radio trimmer on this unit has been pre-adjusted at the factory for 40 channels. Your antenna should be tuned before making any adjustments on the AR-1A. After the antenna has been tuned for its best SWR, the system can be fine tuned with the Match Maker. To do so, simply use the tuning tool to adjust the trimmer inside the hole marked "CB MATCHING ADJUSTMENT" while monitoring the SWR between channels one and forty. Be sure to remove the tuning tool before taking SWR readings. Optimum performance will be achieved when your SWR on channels one and forty are the same.

