

# EK-705

## ENHANCEMENT KIT FOR THE AL-705

Booster Cable and Clips



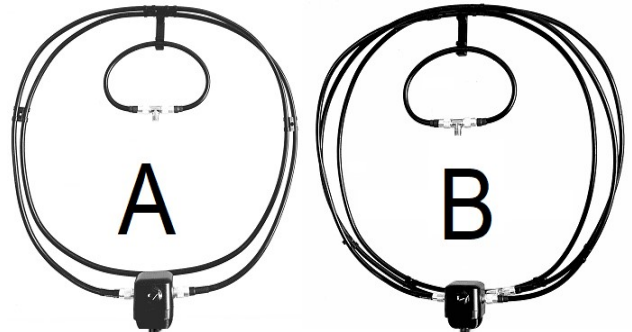
Tuned Spacer  


MTM-705 (Masted Tripod Mount)



## DESCRIPTION

The AL-705 Enhancement Kit increases efficiency on 20 to 40 meters and adds 80 meters with ratings of 10W PEP SSB and 5 watts CW, AM, FM, & Digital, while providing a tripod mounting option.



### Booster Cable Assembly

**WARNING - Never use the radiating or coupling elements of the AL-705 as a feedline.**

#### 20/30/40 Meters (Image A above)

- 1) Replace the default and larger 10-40 Meter radiating element with the Booster Cable.
- 2) Form two concentric loops with the Booster Cable and secure these with the nylon clips.
- 3) Attach the small coupling element to the approximate center of either concentric loop on the radiating element using the Tuned Spacer.

\* Please see the information about t-connectors on the next page.

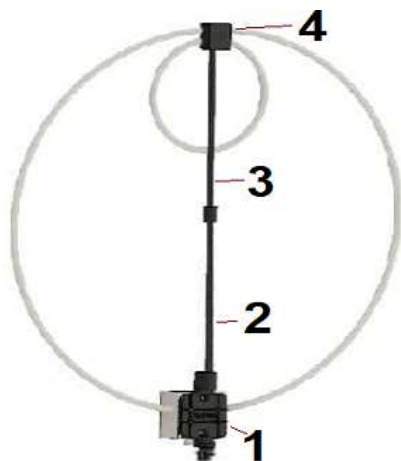
#### 40/80 Meters (Image B above)

- 1) Connect the Booster Cable and the Default 10-40-meter radiating element in series with the barrel connector.
- 2) Form three concentric loops and secure these with the nylon clips.
- 3) Attach the small coupling element to the approximate center of either of the concentric loops on the radiating element using the Tuned Spacer.

#### Connect the feedline!

Attach the feedline to the coupling element, and the other end to your transceiver.

## MTM-705 ASSEMBLY



The MTM-705 is a Masted Tripod Mount for the ICOM AL-705 Antenna that supports your system on windy days while mounted on any a Tripod that has a 1/4 20 Male thread.

### **ASSEMBLY**

- 1) Use the two screws that were already included with your AL-705 to install the Back Plate to your AL-705 antenna's tuning box.
- 2) Push sections 2 through 4 together and into the hole on the top of '1'.

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## OPTIONAL COMPONENTS

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### **TM-705**

This Tripod Mount (TM-705) for the Icom AL-705 antenna will fit on any tripod with a 1/4 20 male thread. On the other side are two screws that fit into the tabs, which came with your antenna, that you must first install on the tuning box of the AL-705.

### **ASSEMBLY**

- 1) Screw the female 1/4 – 20 adapter located on the bottom of the TM-705 onto a tripod that has a matching a male 1/4 – 20 thread.
- 2) Snap the tripod adapter's screw heads into the tabs with holes that are located on the bottom of the AL-705 match box



### **SR-705**

The SR-705 (Speed Reduction) knob makes tuning easier for the Icom AL-705 magnetic loop antenna.

### **ASSEMBLY**

#### **Remove the default knob**

- 1) Remove the default knob with a flathead screwdriver from the shaft of your tuning box.

#### **Install the SR-705 knob**

- 1) Insert the shaft on your tuning box into the hole on the SR-705.
- 2) Press the SR-705 knob firmly onto the shaft.



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## **SWR Indicator**

### **ASSEMBLY & USE**

1. Install by attaching the Copper Clip to either of the PL259s at the loop's tuning box.
2. Set your rig to the desired frequency in SSB mode
3. Tune loop till the loudest noise floor is heard from your rig's speaker.
4. Set rig to FM mode at 5 watts.
5. Transmit and tune for brightest illumination on the SWR Indicator's LED.

