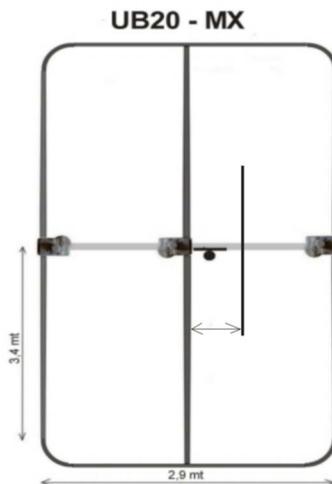


# ASSEMBLING KIT 6 meter

when you install the kit 6 meters, modify the length of the reflector at about 1500 mm →



→ \*IF necessary away or closer the "Passive element for the minimum SWR

Your antenna works on the 6 meter band already, but if you want to add some extra gain you have to add a passive element.

The 6-meter kit provides one passive elements to be positionated along the boom as shown in the antenna diagram. The two extra passive elements will permit your antenna to perform as as a genuine 4 element yagi antenna. The passive element are made of aluminum tubes and fixed on the boom by their aluminum support plates. The assembly is very easy: insert the two 10mm tuber in the 16mm central tube and adjust the length indicated in red.

Passive Element = Director : **lunghezza 2,85 mt**

As the 180° function cannot be used on this band, you have to rotate the antenna as a normal yagi antenna.

Note: as the motorized reflector DOES NOT participate to the yagi configuration of this band, its length will be shorter (non resonant) than the other motorized elements.



Adjust the length of the elements to length indicated and fix the heatshirink tubing with Hot Air Tools



## IMPORTANT:

Do not mistake the director with the reflector when assembling on the boom.

## NOTE:

Unlike the other bands, the SWR on the 50 MHz band can be optimize by modifying the Driven-element only. Should you ever experience that the best SWR remains relatively high, just try to slightly increase or decrease the distances of the passive elements from the Driven-element. This will permit you to get an ideal SWR.

UltraBeam informs you that although the antenna can operate on the 6 meter band efficiently, the antenna has been designed for best performances on HF, therefore you have to consider a certain compromise on the 50 MHz. This means that you cannot consider it as a pure monoband especially designed for this band. The spirit to have an UltraBeam antenna working also on 50 MHz is to have the possibility to operate on this band and avoid to install another antenna especially designed for this particular band.

