

QUICK START GUIDE SS-4

SuperSig
Antennas

1



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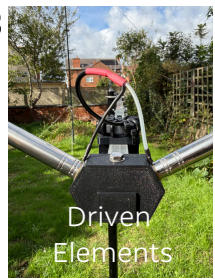


7



Directors

8



Driven
Elements

Element Size Chart

SuperSig
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BAND	DRIVEN ELEMENT	DIRECTOR	SECTIONS*
20m	5.34m (210")	5.06m (199")	12 ½
17m	4.18m (164")	3.96m (156")	9 ½
15m	3.56m (140")	3.37m (132.5")	7 ½
12m	3.10m (122")	2.94m (116")	6 ¾
10m	2.67m (105")	2.53m (100")	5 ½
6m	1.47m (57")	1.39m (55")	2 ½
4m	1.01m (40")	0.96m (37.5")	1 ½

*Number of antenna sections to extend - the first section fully extended counts as 1.

Please note: All dimensions quoted act as a starting guide only.

QUICK START GUIDE



1-2-3-4 Insert the joiner into the boom section holding the common mode choke, locate the far hole and push through one of the M6 40mm bolts. There should be one washer either side and a spring washer next to the wingnut, loosely tighten the M6 wingnut. Repeat with the other boom section.

5 Attach the mast plate to the remaining two holes using the M6 50mm bolts. These now can all be tightened fully using the supplied hex driver.

6 Place boom on mast or support of choice. For initial testing a small tripod is ideal. Tighten the clamp bolts so the boom is secure on the mast

Next complete the Tuning the Antenna section on the reverse.

7/8 Screw the brass threads at the end of the directors into the element hub until about 2mm from the hub base and insert the jumper cable, tighten. In the same way connect the 2 fork connectors from the common mode choke to each side of the driven elements. Complete tightening the whips until secure.

WARNING: HAND TIGHTEN ONLY! Finally attach your coax to the female SO239 on the common mode choke. You are now ready to tune the antenna!

TUNING THE ANTENNA

1. It is highly recommended that you adjust & mark the whips using the **Element Size Chart**. A permanent marker is supplied for this. Ideally, do this on a flat surface using a long tape measure. First, choose 2 whips to use as the driven elements. Lay out the tape measure and carefully extend the whip, from the tip, to the desired length **making sure each section is fully extended**. For example, if we are wanting to use 10m, each driven element will be 267cm long and the remaining 2 whips, the directors, between 259-253cm. Initially, just add a small mark to each whip until you have confirmed, using the next step, that the SWR is acceptable.

2. Now mount all the elements onto the hubs, **see section 7&8** on the reverse. You can now measure the SWR using a suitable device. When you are happy please mark the whips with a marking of your choice removing the necessity to do this process again.

Please note: All dimensions quoted act as a starting guide only. You may find you need to extend or retract the elements to get the desired results. The directors are normally 5% shorter than the driven elements. Please see the **Support** page at **www.supersig.co.uk** for more information.