

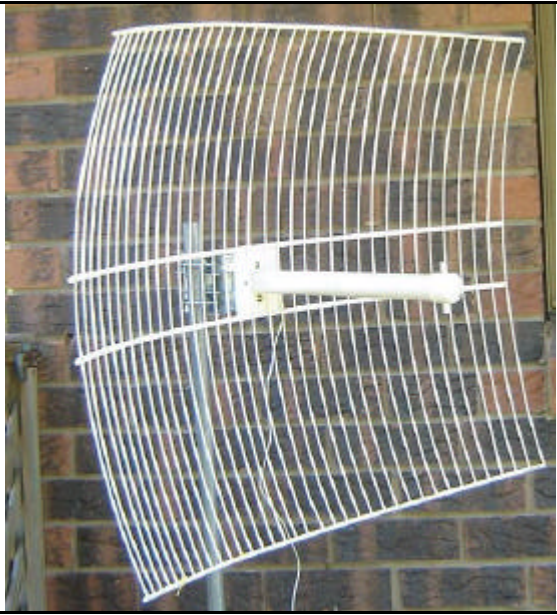


## Setting Up Your USB Dish

There are three sizes of USB dish available:

	<p>RFS_3629_USB</p> <p>Gain 15dBi</p> <p>Size 36cm x 29cm</p>
	<p>RFS_6040_USB</p> <p>Gain 19dBi</p> <p>Size 60cm x 40cm</p>
	<p>RFS_8766_USB</p> <p>Gain 24dBi</p> <p>Size 87cm x 66cm</p>

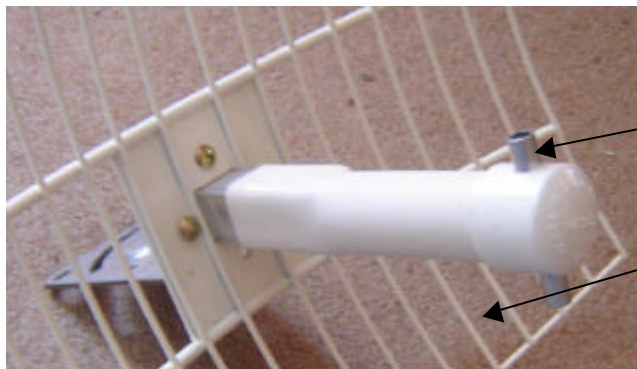
The assembly of each is the same except that an extra U bolt is supplied with the RFS\_8766\_USB.



Attach mount on to back of antenna.

Nuts should be on back.

NOTE: Mount position shown is for horizontal polarisation when fastened on a vertical pole. **For Vertical polarisation rotate mount 90 degrees.**



Place tube through square hole so that sub-reflector (metal tube) is parallel with the majority of the wires in the dish.



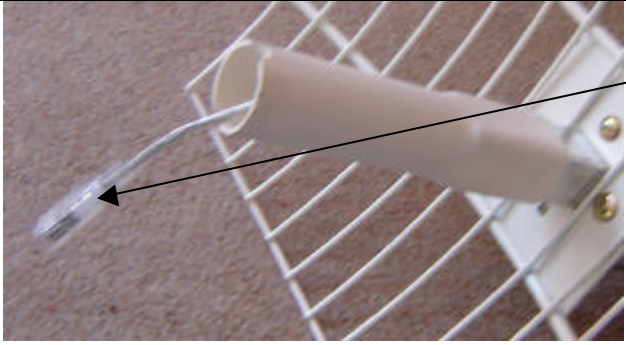



Attach tube to the mount.


Place the metal U-clamp over the end of the tube and insert fitting screw through the mount, tube and U-clamp.

Tube should now be securely attached.




Open the lid of the white tubing.

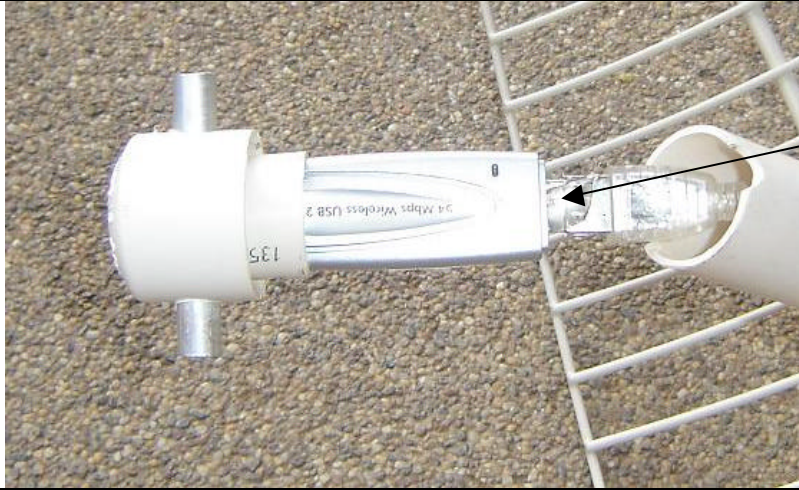
	<p>Feed the USB cable through the back of the tube.</p>
	<p>Place the USB wireless adaptor so that it is parallel with the sub-reflector.</p> <p>USB should be firmly placed within inner tubing.</p> <p>Additional tape can be added to secure USB adaptor.</p>
	<p>Attach USB adaptor to the cable.</p> <p>A spot of hot glue can also be added to fix the USB adaptor to the cable.</p>
	<p>Reattach lid.</p> <p>Note. Make sure sub-reflector is still parallel with majority of wires on dish.</p>

	<p>Note. If leaving the antenna outside permanently. The hole at the back of tube should be completely filled with silicone sealant.</p> <p>Also seal up any joints with sealant.</p> <p>Secure cable to the mount using a cable tie</p>
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	<p>Secure Antenna to pole using the U-bolt and metal clamp.</p> <p>For bigger antennas two U-bolts and clamps are required as shown is this partial assembly.</p>
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	<p>Complete</p> <p>Note. The antenna is set-up for horizontal polarisation.</p> <p>Drill a couple of 3 – 4 mm breather holes on the underside of the plastic tubing after final assembly to prevent any build up of condensation.</p>
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Additional Tips



Add a spot of hotglue to keep the USB lead fixed to the wireless adaptor.



Remove inner fixing tube when using larger size USB wireless adaptors such as the TP Link TL-WN620G

Do not discard the aluminium tube. This also acts as a subreflector .



Hot glue

Any feedback is welcome. Please let us know how well your USB antenna works; how long your link is etc.

[peter@rfshop.com.au](mailto:peter@rfshop.com.au)



Examples of Active and Passive Leads. Available from RFSshop or any computer shop.

	<p>Passive Lead (use one 5m max length only)</p>
	<p>Active Lead (for additional length)</p> <p>Note. I have found that the TP-Link WN620G to work better with additional extension leads than the Netgear WG111. Maybe it takes less current?</p> <p>Managed to achieve 15 metres using two active and one passive USB 5 metre leads.</p>

See: <http://www.rfshop.com.au/Default.aspx?tabid=426&txtSearch=USB&List=1>  
 For list of RFSshop products

Peter Martin , RFSshop October 2006