

How to increase

Introduction

Bluetooth dongle can be easily modified to attach an external 2.4 GHz antenna to it and increase the range up to 1 km.

Prerequisites

Hardware list:

- [Smyka Bluetooth Dongle V.2](#)
- [Expendable Antenna](#)

Step 1:

Step 2:

Step 3:

Testing

Conclusion

References

- [YT: Bluetooth USB Hacking, add an external MMCX antenna socket](#)
- [23C3: Bluetooth Hacking Revisited](#)
- <http://www.seattlewireless.net/DirectionalYagi>
- <http://www.yagiantenna.net/>

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<https://wiki.c3l.lu/doku.php?id=projects:howtos:increase-bt-antenna-range&rev=1401665248>

Last update: **2015/07/15 21:54**

