

# 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](#)
- [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](#)
- [YT: Bluetooth USB Hacking, add an external MMCX antenna socket](#)

From:  
<https://wiki.c3l.lu/> - **Chaos Computer Club Lëtzebuerg**

Permanent link:  
<https://wiki.c3l.lu/doku.php?id=projects:howtos:increase-bt-antenna-range&rev=1401457643>

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



