



# Bluetooth USB Adapter Parani™ UD100

**The Parani-UD100** is a Class 1 type Bluetooth USB adapter that supports 300 meters of wireless transmission distance by default. The working distance can be further extended up to 600 meters using 5 dipole antenna. Thanks to its longer communication distance than other regular Bluetooth USB adapters, it is suitable for industrial or special applications. Parani-UD100 is compatible with other Sena and many other Bluetooth devices perfectly.

## Features

- Supports Bluetooth stack v4.0
- USB2.0
- Supports Bluetooth DUN, FAX, SPP, HID, FTP, OPP, SDP, HCRP, LAN, OBEX FTP, OBEX OPP, OBEX BIP, BIP, AVRCP, A2DP, HSP, HFP, PAN, BPP, Headset, AVCTP, AVDTP, HDP, Find Me, Proximity, Health Thermometer, Heart Rate, HID OVER GATT profiles
- Supports up to 7 simultaneous connections
- Easy to use Windows configuration tool available
- Bluetooth driver Bluesoleil or Microsoft, Linux/Unix, MAC OS X driver
- Easy to use Windows configuration tool available
- Working distance (in an open field): Normally 300 meters, up to 600 meters using 5 dBi dipole and more with 9 dBi patch antenna

## Specifications

### Standards

- Bluetooth 4.0 Class 1 based on CSR Chipset (backwards compatible)
- USB 2.0

**Max Transfer Rate:** 3 Mbps (EDR)

**Frequency Range:** 2.402 ~ 2.480GHz

**Transmit Output Power:** +19 dBm (+6 dBm EDR) E.I.R.P

### Receive Sensitivity

- Basic 1 Mbps: -90 dBm
- EDR 2 Mbps: -88 dBm
- EDR 3 Mbps: -86 dBm

**Antenna Connector:** RP-SMA

### Antenna Gain

- Default Stub removable Antenna: 1 dBi
- Optional Dipole Antennas: 3 dBi & 5 dBi, or 9 dBi Patch Antenna

### Working Distance (in open field\*)

- Stub antenna – Stub antenna: 300 m
- Dipole (3 dBi) – Dipole (3 dBi): 400 m
- Dipole (5 dBi) – Dipole (5 dBi): 600 m
- Patch (9 dBi) – Patch (9 dBi): 1000 m

\* working distance can vary depending on install environment

**Bluetooth Stack:** BlueSoleil or Standard Microsoft / Linux / MAC

**Bluetooth Profiles:** DUN, FAX, SPP, HID, FTP, OPP, SDP, HCRP, LAN, OBEX FTP, OBEX OPP, OBEX BIP, BIP, AVRCP, A2DP, HSP, HFP, PAN, BPP, Headset, AVCTP, AVDTP, HDP, Find Me, Proximity, Health Thermometer, Heart Rate, HID OVER GATT

### Computer OS Support

- Windows XP / Vista / 7 / 8 / 10 (32 / 64bit)
- Linux (3rd party driver, ex: BlueZ)
- MAC OS X (MAC OS X driver, ex: Bluetooth 1.5)

**Size:** 72(L) x 22(W) x 10(H) mm

**Operating Temperature:** -40 ~ +85°C

**Storage Temperature:** -40 ~ +85°C

**Humidity:** 90% Non-condensing

**Approvals:** FCC, CE, TELEC EN, JP, IC, KCC, Bluetooth SIG

**Warranty:** 1 year limited warranty

## Exterior



## Ordering Information

### UD100-G03 Includes

- Parani-UD100 USB Bluetooth Class 1 Adapter
- Stub antenna SAT-G01R
- Quick Start Guide (for BlueSoleil)
- CD-ROM including Windows Bluetooth driver, User Guide and Data sheet

### Optional Accessories

- SAT-G01R: 1 dBi Stub Antenna - RP-SMA Plug Right-hand Thread
- DAT-G01R: 3 dBi Dipole Antenna - RP-SMA Plug Right-hand Thread
- DAT5-G01R: 5 dBi Dipole Antenna - RP-SMA Plug Right-hand Thread
- PAT-G01R: 9 dBi Patch Antenna - RP-SMA Plug Right-hand Thread
- SEC-G01R: 15 cm Extension Cable (for SAT-G01R / DAT-G01R / DAT5-G01R)



For more information,  
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