



# 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 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 needed (BlueSoleil driver)
  - Easy to use Windows configuration tool available
- Working distance (In an open field): Normally 300 meters, up to 600 meters using 5 dipole antenna

## Specifications

### Standards

- Bluetooth 4.0 Class 1
- USB 2.0

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

**Frequency Range:** 2.402 ~ 2.480GHz

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

### Receive Sensitivity

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

**Antenna Connector:** RP-SMA

### Antenna Gain

- Default Stub Antenna: 1 dBi
- Optional Dipole Antennas: 3 dBi & 5 dBi

### 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

\* working distance can vary depending on install environment

**Bluetooth stack software:** BlueSoleil

**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 (32/64bit)
- Linux (3rd party driver required)
- MAC OS X (MAC OS X driver required)

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

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

**Storage Temperature:** -40 ~ +85°C

**Humidity:** 90% Non-condensing

**Regulatory Approvals:** FCC, CE, TELEC, KCC, Bluetooth SIG

**Warranty:** 1 year limited warranty

## Exterior



## Ordering Information

### UD100-G03 Includes

- Parani-UD100
- Stub antenna
- Quick Start Guide(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
  - SEC-G01R: 15cm Extension Cable
- ( For SAT-G01R / DAT-G01R / DAT5-G01R )

For more information,  
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