

# Bluetooth Serial Adapter, Parani-SD100/200



## Features

- Provides transparent RS232 serial cable replacement.
- Supports Bluetooth stack 1.2 - improved AFH(Adaptive Frequency Hoping), Fast connection.
- Transmit Power - SD100 : Max. +18dBm  
SD200 : Max. +4dBm
- Receiving Sensitivity - SD100 : -88dBm(0.1%BER)  
SD200 : -80dBm(0.1%BER)
- Antenna gain - Stub : +2dBi, Dipole : +3dBi, Patch : +9dBi
- Supports Bluetooth Serial Port Profile.
- Interoperability with PDA, laptops etc.
- Supports firmware upgrade via windows-based software(ParaniUpdater)
- Working distance ( In an open field ):  
Parani-SD100 : Class 1, Nom. 100 meters,  
up to 1000m using patch antenna  
Parani-SD200 : Class 2, Nom. 30 meters,  
up to 300m using patch antenna
- Software-free configuration support using DIP-Switch and pairing button
- Parani-SD200 : Supports battery pack (Two AA battery)
- No external drivers required.

## Parani-SD Series

is a Bluetooth serial adapter product line based on Bluetooth technology. Parani-SD Series enables RS232-based serial devices to communicate wirelessly throughout the range of 30m ~ 300m (Parani-SD200-Class 2) or 100m ~ 1000m (Parani-SD100-Class 1).

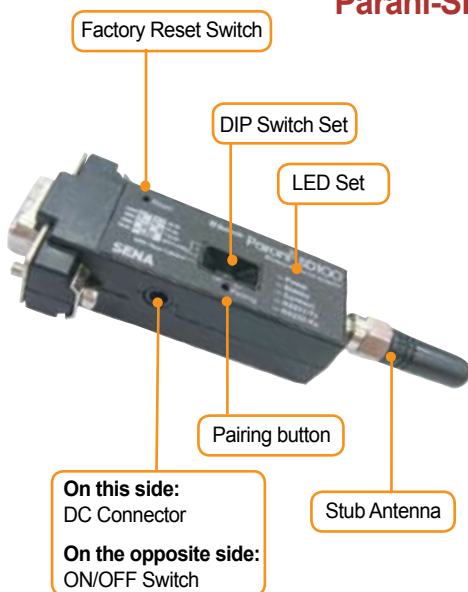
Users may configure the Parani-SD Series by using combination of DIP-switch and Pairing button, easy-to-use Windows-based utility software or by using standard AT command set.

Using DIP-switch of the Parani-SD Series, user can simply configure baud rate and hardware flow control settings of the Parani-SD Series. Pairing-button enables two Parani-SD Series units to be connected automatically.

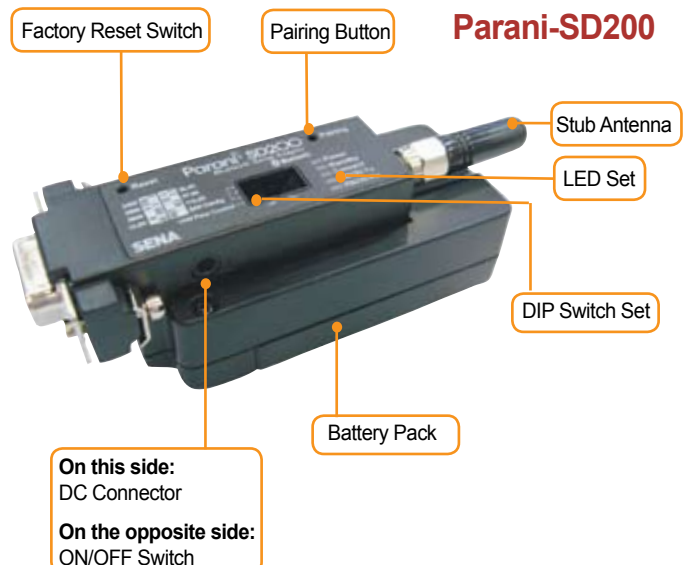
Flexible power supply options allow users to choose which options suits them best, i.e. Power by DC power cable, Power by external DC adapter, Power by USB power cable, Power by pin 9 of DB9 connector. The Parani-SD supports battery pack that can carry two AA batteries. Users can use both general type batteries or rechargeable ones. Battery pack allows users to recharge the batteries.

## Panel Layout

### Parani-SD100



### Parani-SD200



Typical application areas of the Parani-SD Series include:

- RS232 cable replacement
- Wireless Factory monitoring
- Truck/Bus monitoring system
- PLC programming
- Car Diagnostics
- Wireless Printing
- Wireless POS system
- Wireless logistics
- Wireless machine(healthcare/industrial) monitoring

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