

PC to PC Zigbee Communication Setup using Tera Term

1. Required Components

- 2 Zigbee Modules (Series 1 preferred)
- 2 USB to Serial adapters (XBee Explorer or FTDI)
- 2 PCs (or 1 PC with 2 USB ports)
- XCTU Software for configuring Zigbee
- Tera Term software for serial communication testing

2. Zigbee Configuration using XCTU

Zigbee 1 (PC1 / Sender):

- PAN ID: 1234
- MY: 0x00
- DL: 0x01
- BD: 9600

Zigbee 2 (PC2 / Receiver):

- PAN ID: 1234
- MY: 0x01
- DL: 0x00
- BD: 9600

3. Tera Term Setup

PC1:

- Open Tera Term -> Select Serial -> COM port (Zigbee 1)
- Baud rate: 9600, Data bits: 8, Parity: None, Stop bits: 1
- Type message to send

PC2:

- Open Tera Term -> Select Serial -> COM port (Zigbee 2)
- Use same serial settings
- Messages from PC1 should appear here

4. Troubleshooting

- No output? Check baud rate and DL/MY configuration

- Gibberish characters? Likely baud rate mismatch
- Nothing received? Check wiring and COM ports
- Port not showing? Install correct USB-to-Serial drivers

5. Summary

By following this setup, you can successfully transmit data wirelessly between two PCs using Zigbee and Tera Term.