

Connecting to Your Device

The MeshCore CLI (`meshcore-cli`) supports three connection methods. Choose the one that matches your hardware and situation.

Serial (USB)

The most reliable method. Connect your device via USB and use the default baud rate:

```
meshcore-cli
```

The CLI auto-detects the serial port on most systems. If you have multiple serial devices:

```
meshcore-cli --port /dev/ttyUSB0 # Linux/macOS  
meshcore-cli --port COM3 # Windows
```

Baud rate: **115200**

Bluetooth (BLE)

Connect wirelessly to a nearby device. The device must have BLE enabled:

```
meshcore-cli --ble connect
```

If the device does not appear, ensure it is powered on and not already connected to the MeshCore app. Only one BLE client can connect at a time.

TCP (Wi-Fi / LAN)

Connect to a device that exposes a TCP interface (useful for remote administration of fixed nodes):

```
meshcore-cli --tcp 192.168.1.100:4403
```

Replace the IP and port with the device's actual address. Port **4403** is the MeshCore default.

Verifying Connection

Once connected, run `info` to confirm the connection and see device details:

```
info
```

Expected output includes firmware version, battery level, node name, and radio configuration.

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