

# Configuring ZBDongle-P Transmit Power Tutorial

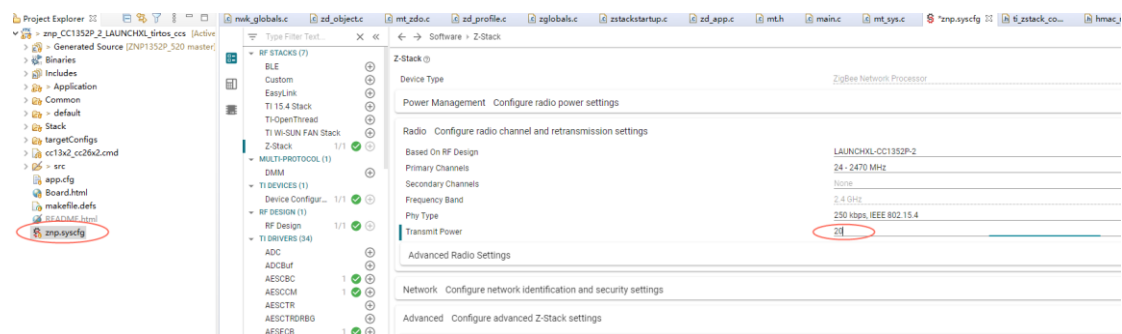
Firmware:

Coordinator: [https://github.com/Koenkk/Z-Stack-firmware/tree/master/coordinator/Z-Stack\\_3.x.0](https://github.com/Koenkk/Z-Stack-firmware/tree/master/coordinator/Z-Stack_3.x.0)

Router: [https://github.com/Koenkk/Z-Stack-firmware/tree/master/router/Z-Stack\\_3.x.0](https://github.com/Koenkk/Z-Stack-firmware/tree/master/router/Z-Stack_3.x.0)

## Method 1: Modifying project, compile firmware

1. Download firmware
2. Set the transmit power in the ZNP firmware syscfg file, such as 20dBm
3. Flash the firmware



## Method 2: Configure it through the serial port command after flashing firmware

Set the transmit power through the serial port command `SYS_SET_TX_POWER`

Usage:

SREQ:

| 1             | 1           | 1           | 1        |
|---------------|-------------|-------------|----------|
| Length = 0x01 | Cmd0 = 0x21 | Cmd1 = 0x14 | TX Power |

Attributes:

| Attribute | Length (bytes) | Description                         |
|-----------|----------------|-------------------------------------|
| TX Power  | 1              | Requested TX power setting, in dBm. |

SRSP:

| 1             | 1           | 1           | 1      |
|---------------|-------------|-------------|--------|
| Length = 0x01 | Cmd0 = 0x61 | Cmd1 = 0x14 | Status |

Attributes:

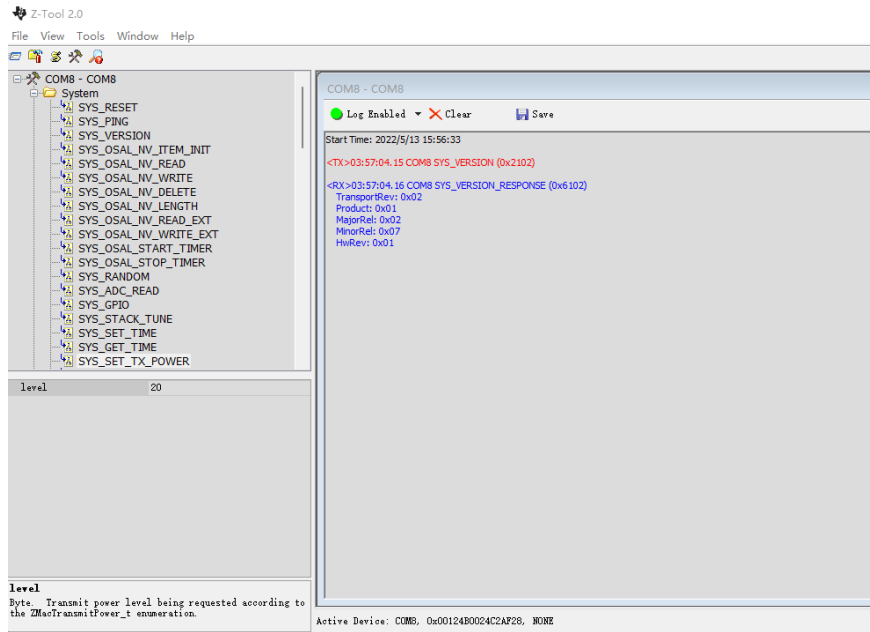
| Attribute | Length (byte) | Description                                  |
|-----------|---------------|--|
| Status    | 1             | Status is either Success (0) or Failure (1). |

## FAQ

### 1. No Devices Found

1. First, use the serial port command fe 00 21 02 23 to query the firmware version to confirm that the firmware is flashed successfully.





2. Make sure that the serial port connected to the dongle is not occupied by other devices.