

# Tera Term Installation & Initial Configuration Guide

## 1. Install Tera Term

Download the Tera Term application using the link below:

<https://www.dropbox.com/scl/fi/dl207wgsg5mjdaub2056n/teraterm-4.106-4.exe?rlkey=n5ydc5m43w9dvkh2gfs8lmv7&dl=0>

## 2. Install USB-to-UART Drivers

Tera Term requires CP210x drivers. Download and install them from:

[https://www.silabs.com/documents/public/software/CP210x\\_Windows\\_Drivers.zip](https://www.silabs.com/documents/public/software/CP210x_Windows_Drivers.zip)

## 3. Hardware Setup

- Connect the **USB end** of the Tera Term cable to your laptop.
- Connect the **RJ45 end** to the **Control Port** of the Node.
- Ensure the Node is connected to a **PoE switch** and is powered up.

## 4. Initial Tera Term Configuration

### Step 1: Launch Tera Term

When the application opens, you will see a connection window.

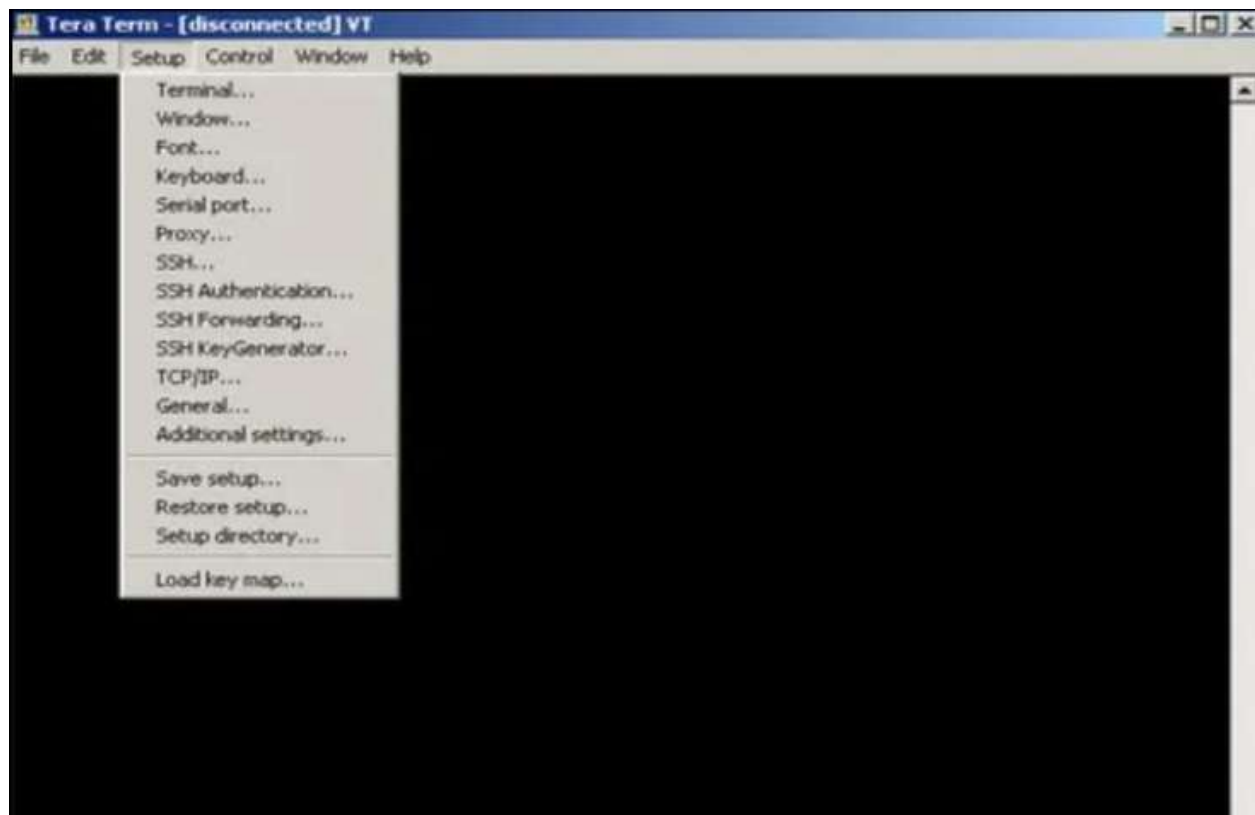
### Step 2: Select Serial Connection

Choose **Serial** → click **OK**.



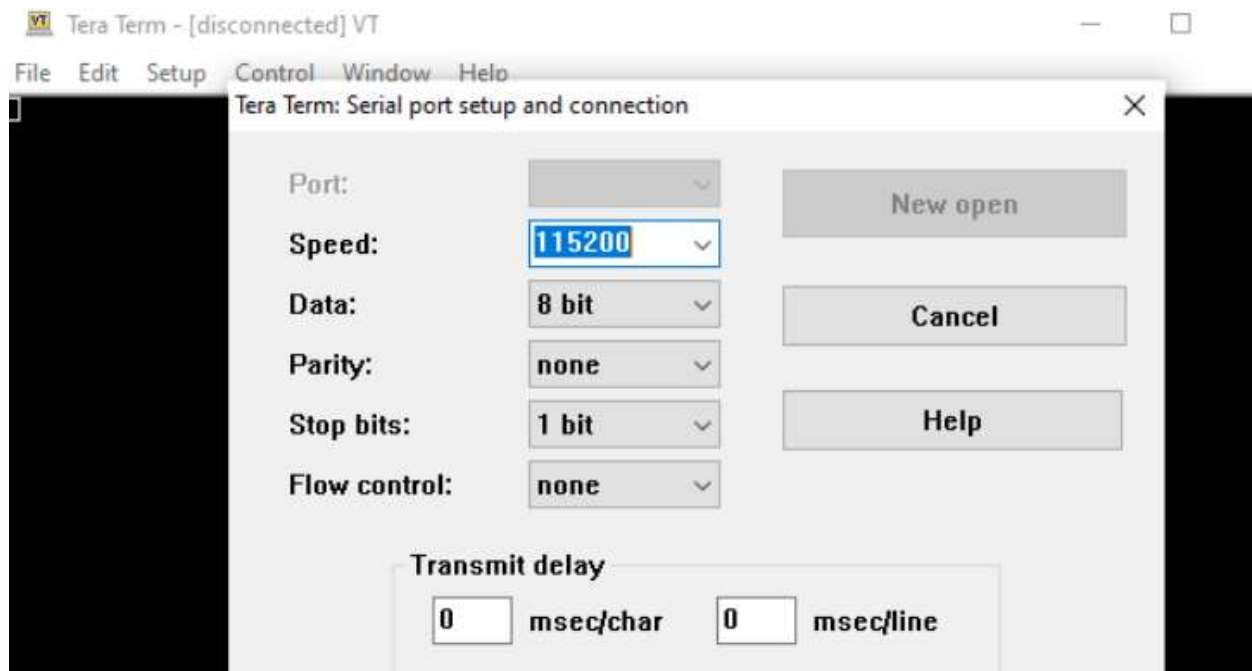
### Step 3: Configure Serial Port

Go to **Setup** → **Serial Port** and apply the following settings:



- **Baud rate:** 115200
- **Data:** 8 bit
- **Parity:** none
- **Stop:** 1 bit
- **Flow control:** none

(Ensure these match exactly.)



#### Step 4: Start Command Mode

Before typing any command, press **Ctrl + C**.

You must press **Ctrl + C** before every new command.

#### 5. Node Commands Reference

##### Wattage Commands

```
set_max_watt 1 200
get_max_watt
```

#set\_max\_watt 1 200 – will set 20 watt to the output 1 of the supernode

#get\_max\_watt will list all the wattage for all 8 channels.

## RGBW Setup on Supernode

### To Configure RGBW Fixture

Use the following command:

```
set_color_group RGBW 1 1 2 3 4 255 255 255 255 100
```

Meaning:

- **RGBW 1** → RGBW fixture is connected to **Channels 1–4**
- **RGBW 2** → RGBW fixture is connected to **Channels 5–8**
- The last five numbers are default max values for R, G, B, W, and intensity.

### RGBW Command Format

```
set_color_values RGBW
```

**Color Group Meaning**

- **color\_group 1** = channels 1–4
- **color\_group 2** = channels 5–8 (if used in your setup)

So when you use **color\_group 1**, you are controlling the RGBW fixture mapped to CH1, CH2, CH3, CH4.

### Example: Turn ON Red Color

To turn the RGBW fixture fully red on color group 1:

```
set_color_values RGBW 1 255 0 0 0
```

This sets:

- **Red = 255**
- **Green = 0**
- **Blue = 0**

- **White = 0**

### **Example: Turn ON White Only**

```
set_color_values RGBW 1 0 0 0 255
```

### **Adjust dim on RGBW Fixtures**

```
Set_dim 0 0
```

```
Set_dim 1 100
```

This will set RGBW fixture to Red color with 100%