# NameLessRC Nano400 VTX User Manual

## Specification and Purameters :

-Brand Name:NameLessRC

-Item Name: Nano400 VTX

-Output Power: PIT/25mW/100mW/200mW/400mW Switchable

-Control Mode: BFOSD Control(RX)

-Input Power: 5V

-Video System: NTSC/PAL

-Antenna: IPEX

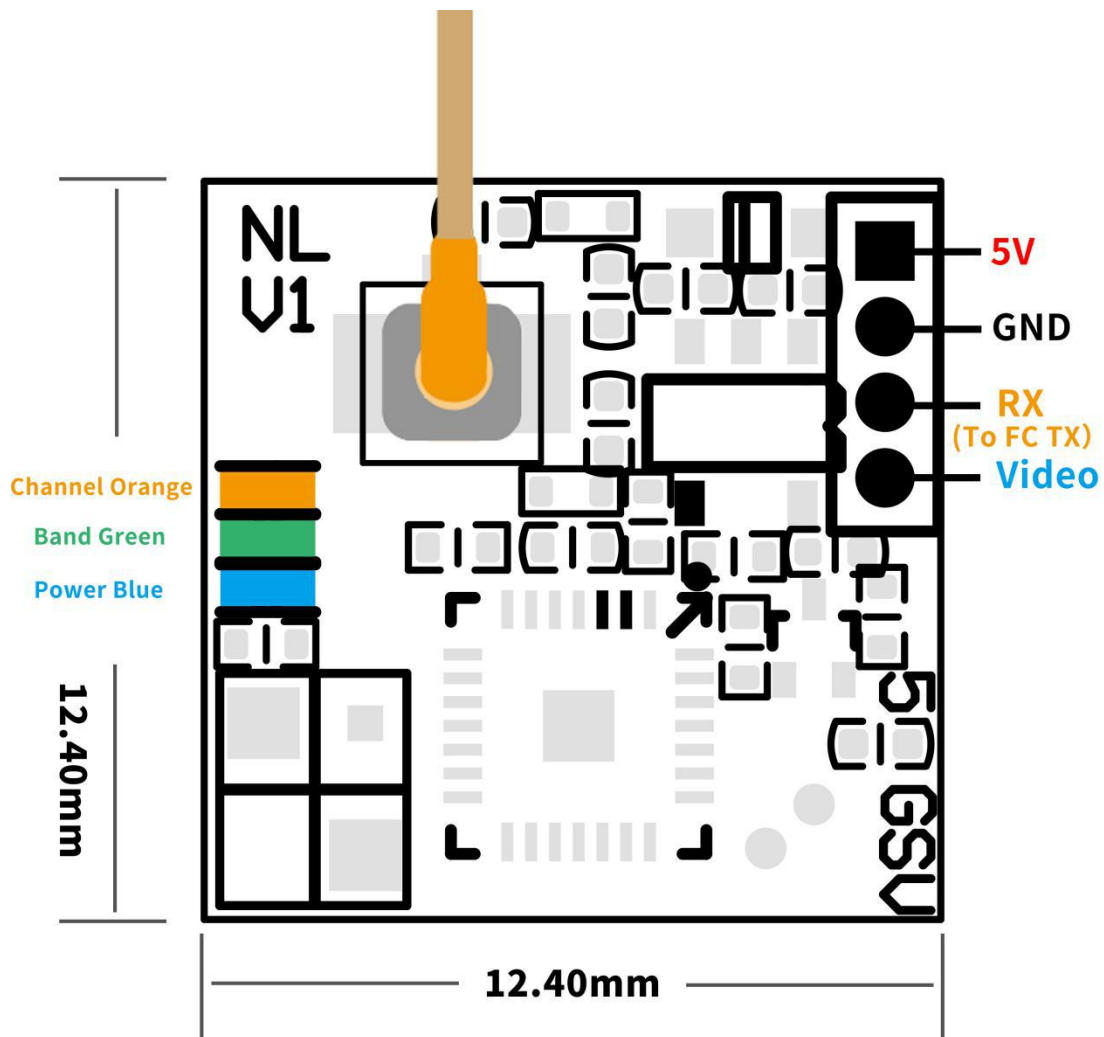-Size: 12.4MM*12.4MM*3.5MM

Weight: 0.7g

Frequency: 5.8GHz 6 bands 48 channels, with Raceband: 5362-5945 MHZ

## Attention:

Nano400's factory set up is on lock mode(5733-5866MHZ unlock). Please follow your local laws and regulations if you need to unlock the frequency.

The VTX on high-power mode may be overheat if you don't start flying immediately after plugging in. To avoid this situation, please enter the code: set vtx_low_power_disarm=on in CLI so it can automatically turn lower the VTX's power when the FC is disarmed, and turns it up to the power which was set up when the FC is armed.

## Pins Assignment :



**5V**
**GND**
**RX**
**(To FC TX)**
**Video**

Channel Orange
Band Green
Power Blue

12.40mm

12.40mm

## Precautions for use :

-Make sure output terminal is installed antenna before it is powered.

-Please maintain a good cooling environment for better performance.

-Input voltage must be within the specified range 5V.

-Please choose antenna with good VSWR and DB if you replace,to get far

transmission distance.

-Pay attention to static electricity protection during transportation and

installation.

## Frequency and power control methods :

-The NLRC Nano400 VTX is set up via BFOSD Control (IRC Tramp)

-The NLRC Nano400 VTX's default set up is lock on 25mw.

-To lock/unlock the VTX channels, please enter the PIT mode for three times within 30secs after powering up the VTX  (PIT mode switch is set in BF mode page). The 3 LEDs will flash one by one if the VTX is successful to lock/unlock. Please re-power the VTX after this step.

## LED functions :

-Orange LED shows channels status. Green for bands and Blue for power.

-The Green LED flash after Orange and blue LED flash at the same time means the VTX enter PIT mode successfully.

-The three LEDs will flash one by one after the VTX is powered. After that, each LED will flash to show the channel, band & power's status. Orange LED flash 1 time for Channel 1, 2 times for Channel 2. Green LED flash 1 time for Band 1, 2 times for Band 2 and so on. The three LEDs will flash one by one again after finish showing the status.

## NLRC Nano400 Json file download link:

https://drive.google.com/open?id=1fP9IOYLfOSzdbZodCBsb7beRABbI8fFS

## Frequency Table(Mhz):

Red area on frequency table is locked area! Please follow your local laws and regulations .

| Channel | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---------|------|------|------|------|------|------|------|------|
| Band A | 5865 | 5845 | 5825 | 5805 | 5785 | 5765 | 5745 | 5725 |
| Band B | 5733 | 5752 | 5771 | 5790 | 5809 | 5828 | 5847 | 5866 |
| Band E | 5705 | 5685 | 5665 | 5645 | 5885 | 5905 | 5925 | 5945 |
| FS | 5740 | 5760 | 5780 | 5800 | 5820 | 5840 | 5860 | 5880 |
| Race Band | 5658 | 5695 | 5732 | 5769 | 5806 | 5843 | 5880 | 5917 |
| Low Race | 5362 | 5399 | 5436 | 5473 | 5510 | 5547 | 5584 | 5621 |