
NameLessRC D400 VTX+DVR AIO

User Manual



Specification :

- Brand Name: NameLessRC
- Item Name: D400 VTX+DVR AIO
- Input Power: 5V
- Output Power: PIT/25mW/100mW/200mW/400mW Switchable
- Frequency: 5.8GHz 6 bands 48 channels, with Raceband: 5362-5945 MHZ
- Control Mode: BFOSD Control/ Button, IRC Tramp ready
- Video Output format: NTSC
- Record video size : 1280x720 @30FPS
- TF Card support: Max.32G
- Compress Format: AVI
- Microphone: Yes
- Antenna: IPEX
- Mounting hole: 26.5*26.5mm
- Weight: 3.5g without antenna

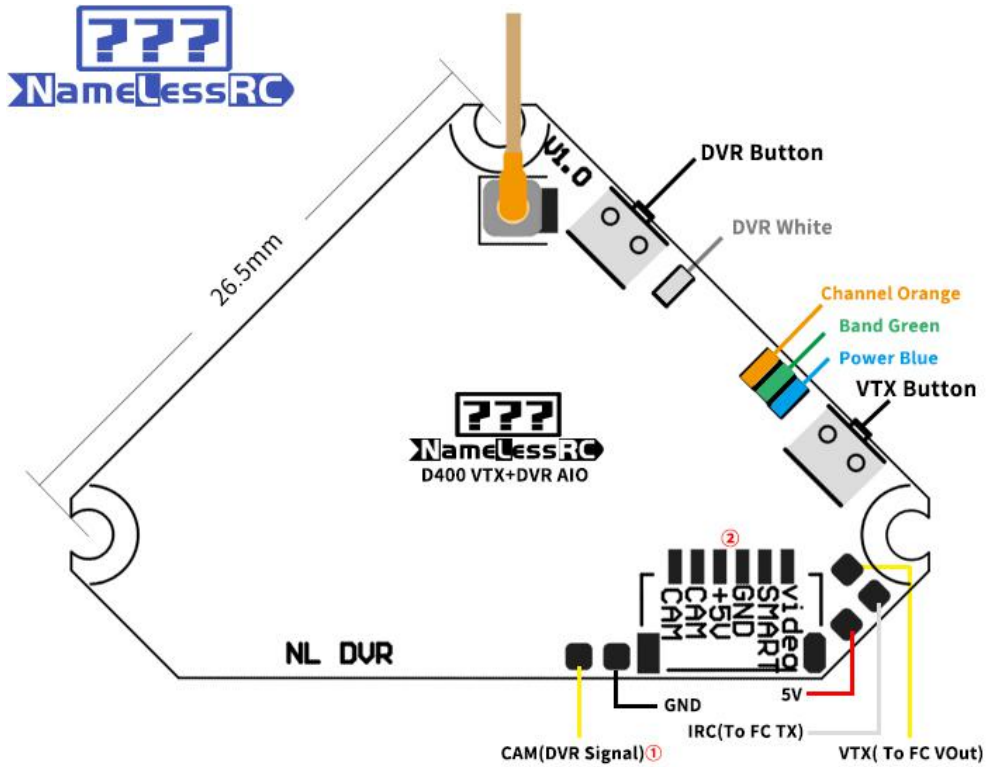
Features:

- VTX maximum power up to 400mW.
- Built-in microphone.
- Support to choose recording FC OSD info or not.
- Start/Stop recording via button or OSD. Automatic recording after power on.
- Automatically save a video every 5 minutes.
- Cable plug and welding pads are both available.
- Small & light size for whoop and toothpick style frames.
- The VTX will not be damaged even if the antenna is dropped.

Attention:

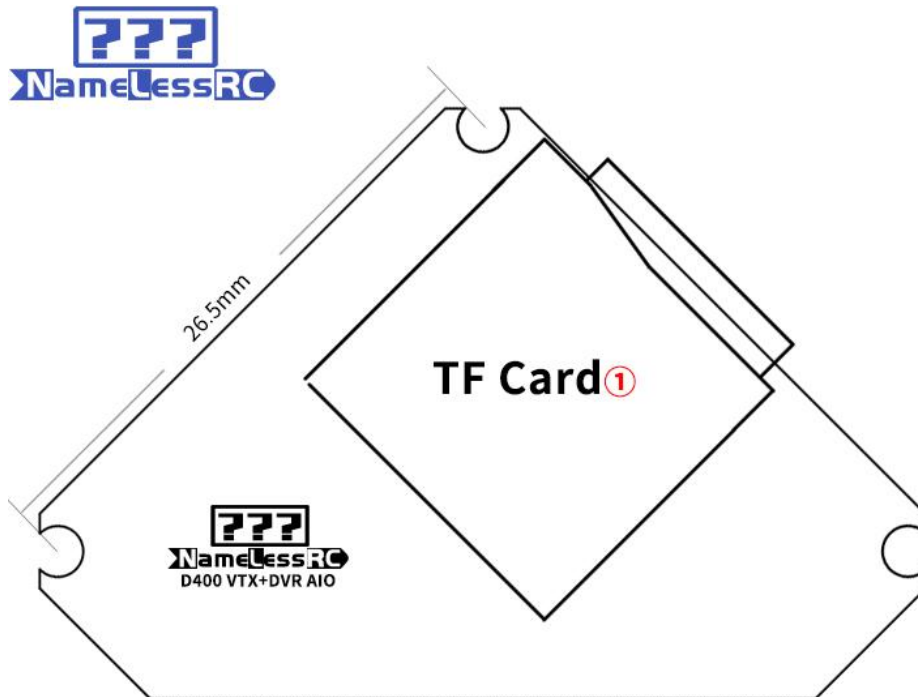
- VTX's default set up is on lock mode(5733-5866MHZ unlock). Please follow your local laws and regulations if you need to unlock the frequency.**
- Please format the TF card to FAT/FAT32.**

Pins Assignment :



*①This pad offers the same function with the two CAM pads on the 6PIN cable plug.

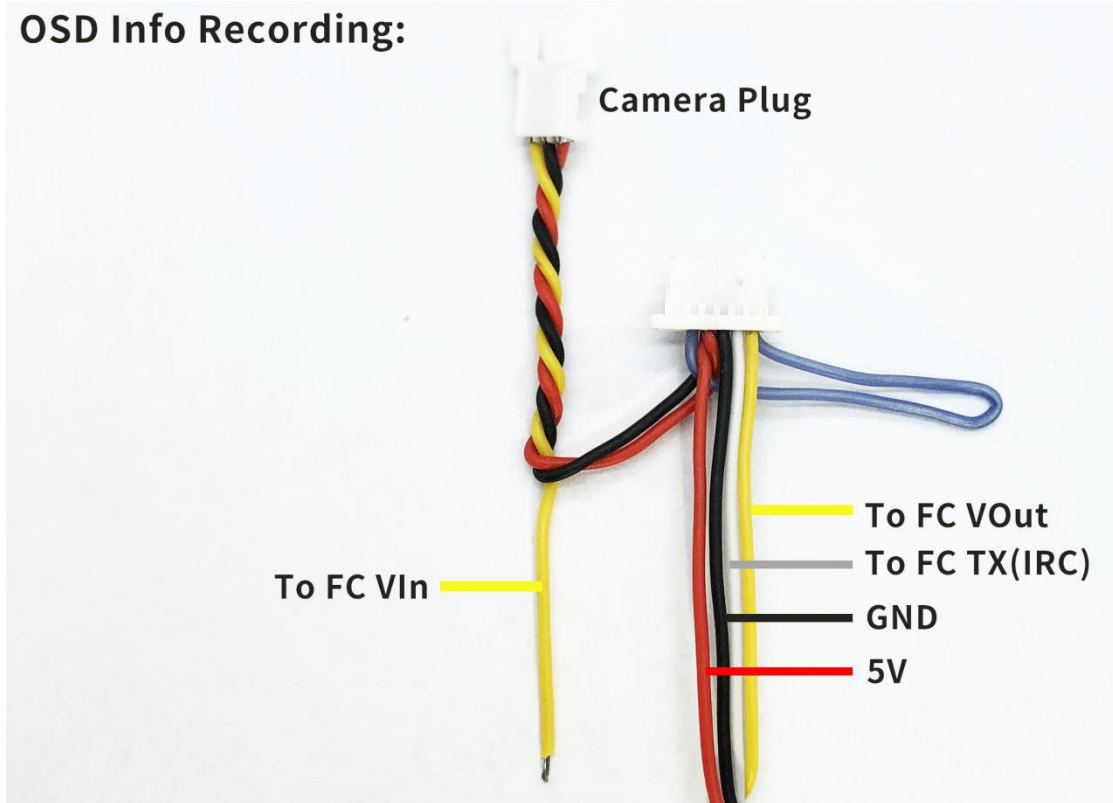
*②You can use the cables which are included in the package to connect with the FC or use soldering pads.



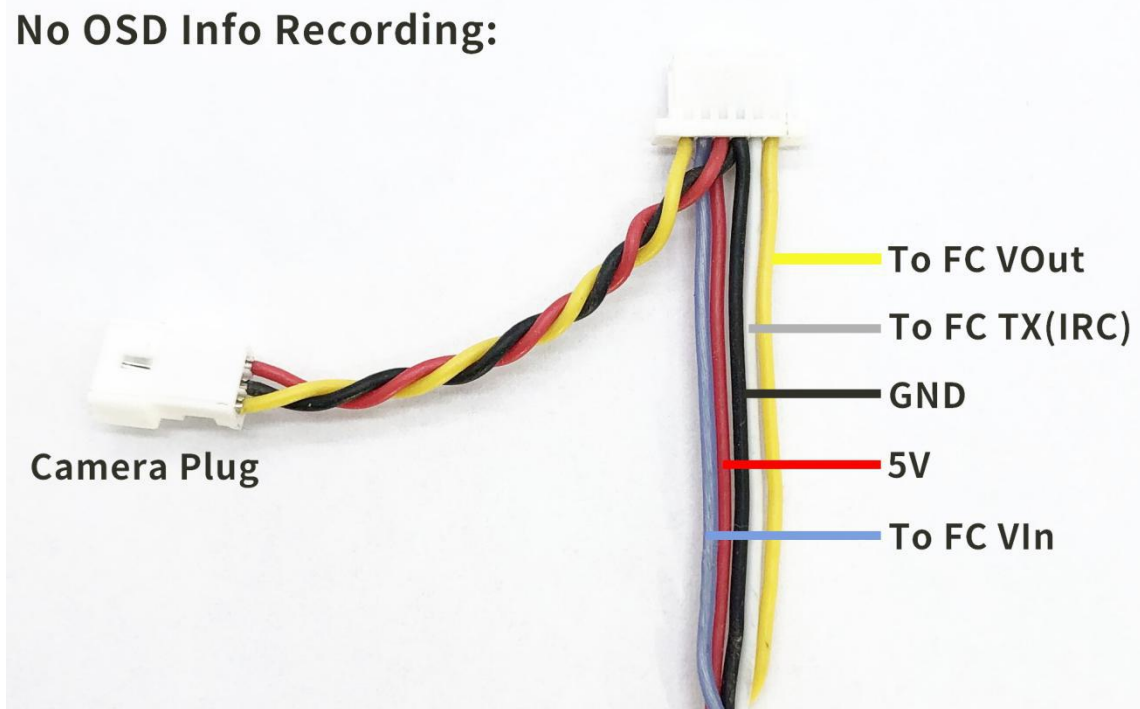
*①The D400 supports TF card 32G maximum.

We suggest you to format the TF card to FAT/FAT32 before using it.

OSD Info Recording:



No OSD Info Recording:



Note:

You can choose to use the included cables or welding pads according to your needs.

Precautions for use :

- 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.
- Please use good TF card for better recording quality.
- Pay attention to static electricity protection during transportation and installation.

Control methods :

VTX lock/unlock

(D400 VTXcable for Betaflight 4.1:

https://drive.google.com/open?id=1LR2UCBB_0OrupfQlvufxuH7ozPHD-1YI)

- The VTX is set up via BFOSD Control (IRC Tramp) or button.
- The VTX' s default set up is lock on 25mw.
- To lock/unlock the VTX :

Option 1: Long press the VTX button for 25 seconds after power on. The 3 LEDs will flash one by one if the VTX is successful to unlock. Please re-power the VTX after this step.

Option 2: 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 unlock. Please re-power the VTX after this step.

VTX 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.

VTX Channel/Band/Power set up :

- Power the D400 and long press VTX button for 3 seconds. The Channel Orange LED will flash. 1 time for Channel 1, 2 times for Channel 2 and so on. Short press to switch the Channel.
- Long press VTX button for 3 seconds after step 1, the Band Green LED will flash. 1 time for Band 1, 2 times for Band 2 and so on. Short press to switch the Band.-
- Long press VTX button for 3 seconds after step 2, the Power Blue LED will flash. 1 time for 25mW, 2 times for 100mW and so on. Short press to switch the Power.
- Long press VTX button for 3 seconds after step 3 or re-power the D400, the set up will be saved. (Re-power during each step also can save the set up)

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

DVR Recording:

-DVR White LED constantly bright means it is in standby, flashing means recording.

Option 1: Automatic recording after power on.

Option 2: Short press the DVR button to start/stop recording.

Option 3: Start/stop recording via OSD control (Video: <https://youtu.be/v9MAinKmdsQ>)

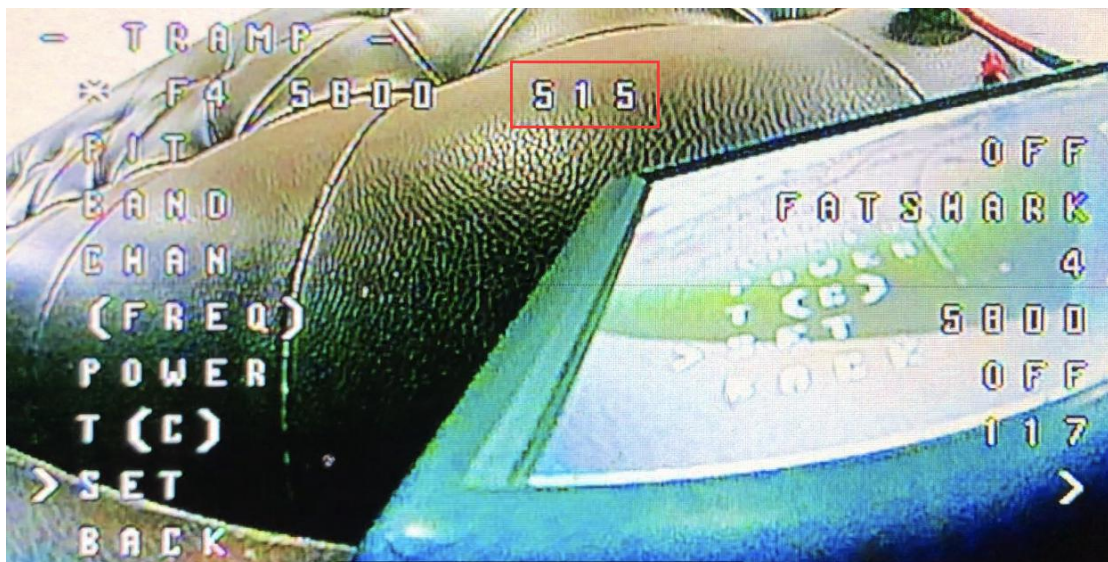
-Enter the OSD VTX set up page



-Switch the POWER to ON and confirm. The code will show 513 which means the DVR is starting to recording. Meanwhile, the DVR White LED will be flashing.



-Switch the POWER to OFF and confirm. The code will show 515 which means the DVR stop recording. Meanwhile, the DVR White LED will be constantly bright.



Note: We recommend setting the power you expect again after start/stop recording via OSD.