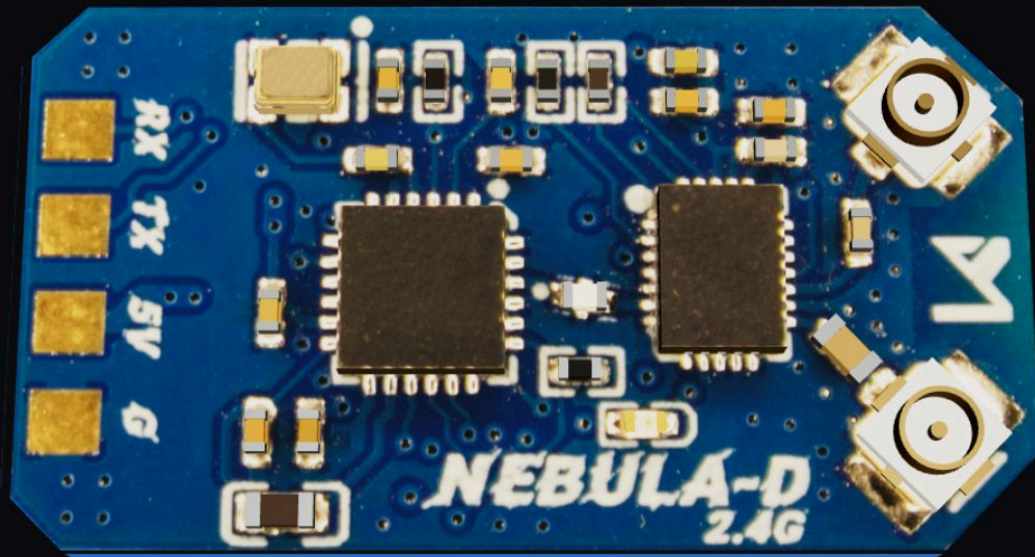


Nebula D



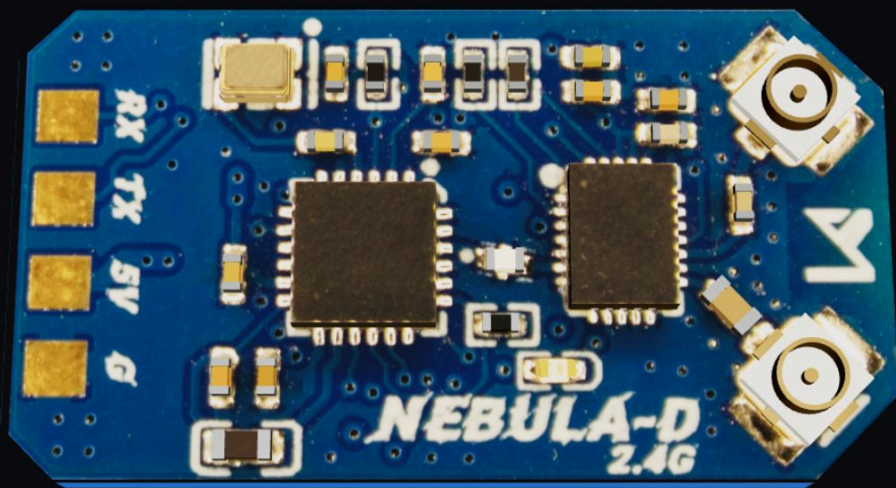
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01 Nebula D ExpressLRS receiver

Need help?

WhatsApp or call **+91 80171 93277** (Mon–Sat, 12 PM–8 PM) · **info@thedarkmatter.in** · join the DM Community from thedarkmatter.in. The docs have this guide with every 3D view live: turn the board, click a step, and the pads light up: thedarkmatter.in/pages/docs?doc=nebula-d

01 Nebula D ExpressLRS receiver



A 2.4GHz ExpressLRS diversity receiver with two antennas: a link that holds at range, with telemetry back to your radio.

Specifications

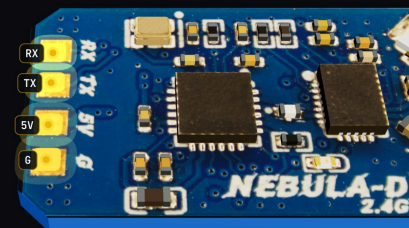
Type	2.4GHz ExpressLRS diversity receiver with telemetry
Telemetry power	Up to 100mW
Antennas	Two 65 mm T-antennas (true diversity)
Frequency	2.404–2.479 GHz (ISM)
Packet rate	25Hz to 500Hz, and F1000Hz
Power	From the flight controller's 4V5 pad (the receiver's pad is marked 5V)
Made in	India

Wiring

1 Four wires

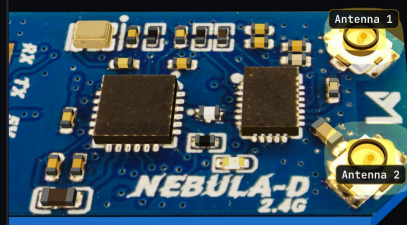
Receiver **TX** → flight controller **RX**, receiver **RX** → flight controller **TX**, receiver **5V** → flight controller **4V5**, **G** → **G**. Always power the receiver from the 4V5 pad.

- Brahma H7: receiver on UART6
- Brahma F7: receiver on UART1
- Brahma F4: receiver on UART1



2 Antennas

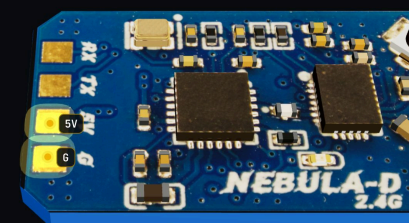
Route the two antennas away from carbon and from each other, ideally at 90° to each other.



Binding

1 Bind mode

Power the receiver on and off three times quickly: it enters bind mode. Then start Bind on your ExpressLRS transmitter. Or set the same binding phrase on both with the [ExpressLRS Configurator](#).



2 Wi-Fi updates

With no transmitter link for 60 seconds the receiver starts its own Wi-Fi hotspot, for firmware updates and settings from a browser.