# VALKYRIE C2

COMMAND AND CONTROL

Multi-protocol C2 for contested skies. Assuring connectivity between air and ground.

Purpose-built for FPV and small UAS missions, VALKYRIE C2 delivers secure, adaptive command and control that maintains reliable performance in spectrum-challenged environments.

## Reliable C2 in Challenging RF Conditions

Engineered for mission-critical operations, VALKYRIE C2 preserves secure command and telemetry links when others fail. Its multi-band architecture, advanced anti-jam design, and automatic rebinding maintain reliable control and link integrity in degraded RF conditions.

## Engineered for Mission Success

Designed for operational flexibility, VALKYRIE C2 integrates a multi-protocol design with tactical mode support to deliver secure, redundant control links in demanding mission environments. Its lightweight, low-cost architecture provides reliable FPV and small UAS operation without compromising size, weight, or power efficiency.

## THE SYSTEM

### VALKYRIE C2 AIR UNIT

- Size: 43mm x 23mm x 8.2mm
- RF Connectors: MMCX Female x2
- JST SH/SR Header

### VALKYRIE C2 GROUND UNIT

- Size: 89mm x 55mm x 30mm
- RF Connectors: SMA Female x2
- Power Input: Dual Type
- USB C PD 3.1 Connector

A PRODUCT OF

NextGen RF DESIGN

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# Technical Specifications

| VALKYRIE C2 AIR UNIT | |
|---|---|
| **Size** | 43mm x 23mm x 8.2mm |
| **Weight** | 12 grams |
| **RF Connectors** | MMCX Female x2 |
| **Interface Connector** | JST SH/SR Header |

## Interfaces

| | |
|---|---|
| **Serial Protocol** | S.BUS Input |
| **Voltage** | 2S-5S LiPo |
| **Pairing Button** | |
| **LED Indicators** | |

## Radio Architecture

| | |
|---|---|
| **High Power, Multi-protocol Receiver/Transmitter** | |
| **FCC Compatible Mode** | 902-928MHz<br>Up to +20dBm Output Power<br>Frequency Hopping Spread Spectrum<br>FCC Unlicensed ISM Compliance |
| **Tactical Mode** | Proprietary (see NGRF for details) |

| VALKYRIE C2 GROUND UNIT | |
|---|---|
| **Size** | 89mm x 55mm x 30mm |
| **Weight** | 80 grams |
| **RF Connectors** | SMA Female x2 |
| **Interface Connector** | Nano standard 8 pin<br>(Optional JR adaptor for micro standard 5 pin) |
| **Programming/Power Connector** | USB-C Female |

## Interfaces

| | |
|---|---|
| **Serial Protocol** | CRSF |
| **Input Voltage** | 8.4VDC (2S) via nano interface |
| **Optional external power via USB-C PD 3.1 interface** | |
| **USB-C Configuration Port** | |
| **Pairing Button** | |
| **LED Indicators** | |

## Radio Architecture

| | |
|---|---|
| **High Power, Multi-protocol Receiver/Transmitter** | |
| **FCC Compatible Mode** | 902-928MHz<br>Up to +30dBm Output Power<br>Frequency Hopping Spread Spectrum<br>FCC Unlicensed ISM Compliance |
| **Tactical Mode** | Proprietary (see NGRF for details) |

MADE IN USA

NDAA COMPLIANT

**CALIFORNIA PROPOSITION 65**

**WARNING:** This product can expose you to chemicals including Carbon black and Nickel, which are known to the State of California to cause cancer, and including Bisphenol A and 1,3-Butadiene, which are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

NextGen RF DESIGN

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