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 Up to +20dBm Output Power Frequency Hopping Spread Spectrum 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 (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 Up to +30dBm Output Power Frequency Hopping Spread Spectrum 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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