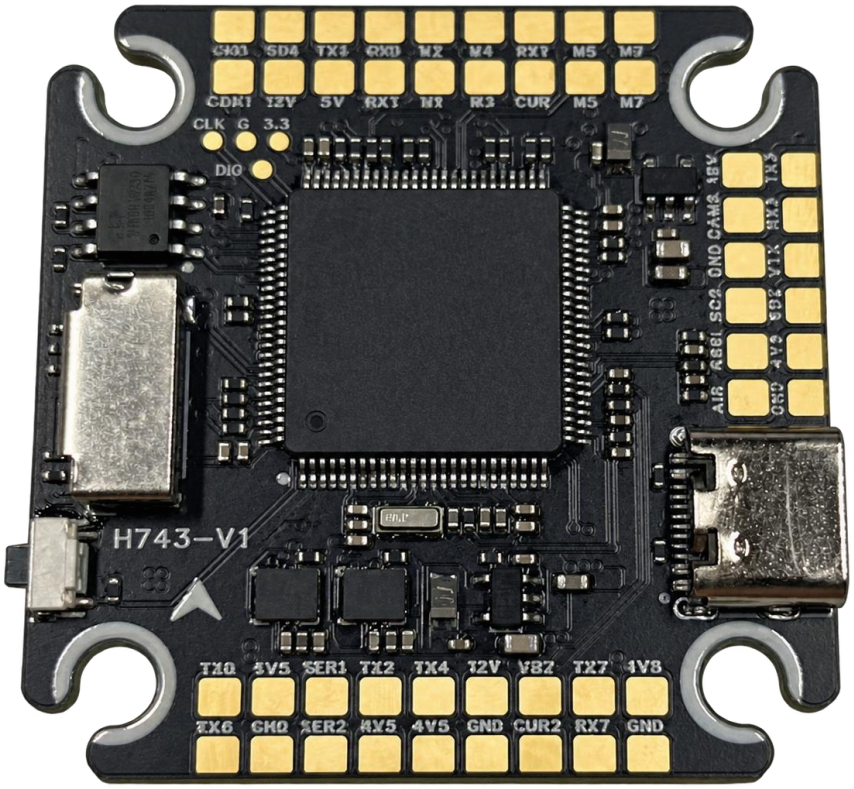
JFF743_V1 Flight Controller

User Manual V1.0



Specifications

Operating voltage: DC 50.4V(3-12S)

BEC1: 5V/4A

BEC2: 12V/4A

UART ports: 8

Motor output channels: 8

Servo: 2

Blackbox:16M

Controller: STM32 F743

Frequency: 480MHz

Gyroscope: 42688

OSD chip: AT7456E

Supported receivers: CRSF/SBUS/IBUS/DSM

Buzzer pads: Supported

Current telemetry pads: Supported

DJI O3/O4 air unit interface: Supported

CAN ports: 1

Flight controller firmware: Betaflight/INAV/APM/PIX

Product Dimensions

Weight (g): 10.2

Product dimensions: 40*40mm

Mounting pattern: 30.5*30.5mm

Product Description

A 6-layer PCB provides strong resistance to interference.

Industrial-grade BEC provides stable output.

Sockets or solder pads may be selected for different applications.

A 12V supply is provided for an external LED strip, with switching via a configurable remote-control channel.

Two BEC outputs: 5V 4A and 12V 4A.

Video transmitter power: selectable 12V/BAT.

Package Contents

JFF743_V1 Flight Controller ×1,M3 vibration dampers ×4,8P cable ×1,box ×1

Applications

Suitable for drones, RC cars, RC boats and other models. Compatibility depends on the product model and specifications.

JFF743_V1 Flight Controller Wiring Diagram

