



PIX6

Quick Start Guide

Thank you for choosing RadioLink product. This product is not a toy and is not suitable for children under the age of 14 . Adults should keep the product out of the reach of children and exercise caution when operating this product in the presence of children.



Note: In order to fully know about the usage of PIX6 and ensure flight safety, please download the detailed instruction manual from

https://www.radiolink.com/pix6_manual

Read carefully and set the device as instructed. If there is any question, please send messages/ leave comments on Facebook and YouTube or send mails to after_service@radiolink.com.cn

* Adaptable Models: PIX6 is adaptable to multicopter, airplane, Mower, helicopter, car, boat, submarine, radartracker, robot.

*Adaptable Mission Planner : PIX6 can set parameters by RadioLink Mission Planner, Ardupilot Mission Planner, and QGC Mission Planner.

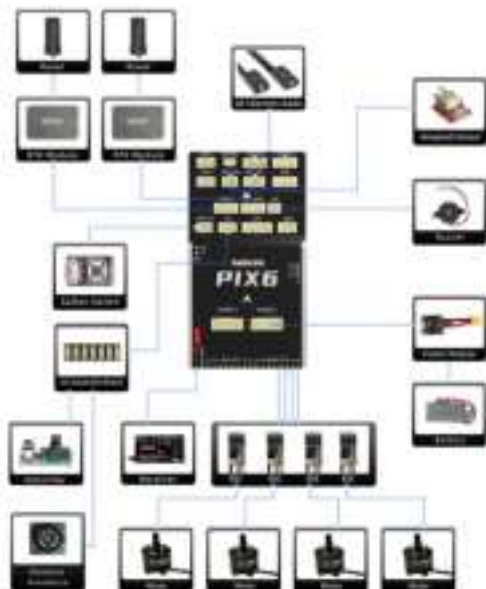
*Adaptable Firmware : PIX6 can upgrade the firmware by both RadioLink and Ardupilot Mission Planner. Download PIX6 firmware from:
https://www.radiolink.com/pix6_firmware

Note: Make sure the power module is insulated from the metal frame or the carbon fiber frame.

PIX6 Connectors



Connection Diagram of PIX6



Packing List



Flight Controller x1



Buzzer x1



Safety
Switch x1



Power Module
(2-12V) x1



4G TF (MicroSD)
Card x1

CAN1/2 Port
Connect Cable x2

D5WRC Port
Connect Cable x1

TELEMS/2 Port
Connect Cable x2

ADC 6V6 Port
Connect Cable x1

ADC 4V3 Port
Connect Cable x1

IOD Port
Connect Cable x1

GPS1/2 Port
Connect Cable x2

Switch Port
Connect Cable x1

I2C Port
Connect Cable x1

SPI Port
Connect Cable x1

POWER1 Port
Connect Cable x1

POWER2 Port
Connect Cable x1

Debug Port
Connect Cable x1

Receiver
Connect Cable x1

USB Port
Connect Cable x1



Type-C
Cable x1



Double-sided
Adhesive Tape x2



Quick Start
Guide x1



Packaging
Color Box x1

Specifications

Hardware	Main Processor	STM32F765VIT6
	Co-processor	STM32F100
Sensor	Gyro & Accelerometer	BMI088, ICM-42688
	E-compass	IST8310
	Barometer	SPL06
	RAM Memory	512KB
	Flash Memory	2MB
	FRAM	32KB, FM25V02A
Connector	Channel Output	16 Channels Output(Main Outputs:8 channel; Auxiliary Outputs: 8 channel)
	Connector	POWER1,2 Port: HY-6P; DSM RC Port: XH1.25-3P; Debug Port: 1.0-8P; Other Port: GH1.25
	CAN Port	2
	SPK/DSM	1
	Mavlink UART	2
	ADC	3.3V*1&6.6V*1
	OSD	1
	GPS UART/ I2C Port	2
	Buzzer	1
	Safety Switch	1
	SPI Port	1
	USB Port	1
	POWER Port	2,Power1: voltage and current monitor inputs(Analog) Power2: SMBUS/I2C Power Module Inputs(I2C)
	Type-C Port	1
	SD Card Port	1

Specifications		
	FMU Reset	1
	Debug Port	1
	I/O Reset Button	1
	Signal (RC In)	PPM/SBUS
	Video Transmission	HD Digital and Analog Video Transmission Supported
	RSSI Signal Input	PWM/3.3V
	RSSI Signal Output	Support
	OneShot/DShot	Support
	OSD Module	Support, OSD Module Integrated
	ESC Protocol	PWM/OneShot/DShot
	Neopix Led Connection	Support
	RTK	Support
Power Module Specifications	Weight	24.5g (0.86oz) without wire
	Input Voltage	2-12S
	Maximum Detection Current	90A
	Output Voltage(BEC)	5.3V \pm 0.2V
	Output Current(BEC)	2A
	Single ESC Maximum Detection Current	22.5A
Adaptable Firmware	Arduipilot	
Adaptable Models	Fixed wing/2-8 copter/Helicopter/VTOL/Car/Boat/Robot/Mower	
	Dimension	95.5*51.5*15mm
	Weight	50g(without wires)
	USB Voltage	5V \pm 0.3V
	Operating Temperature	-30~85°C