



# Small drones for Big impact

| **Runner** | **Scimitar** | **Sentinel** | **Scorpio** |

# core models



## RUNNER

### EASY LAST-MILE RESUPPLY

- 1.2kg payload - 50km
- 3.5kg payload - 20km
- **Simple operation**
- Auto terrain follow
- Rapid deployment
- Weather resistant
- Secure - no data gathering
- Resists RF jamming
- 'Acts as a radio mast

## SCIMITAR FPV

### EASY TARGETED REACH

- 2KG payload
- 15Km range
- >120KM/H speed
- Simple operation
- Rapid Deployment
- 15 min flight time
- Weather resistant
- Small frame

## SENTINEL

### TETHERED DRONE

- Runs directly from vehicle:
  - fixed battery
  - idling vehicle (12v/24v)
  - mains
- European-made drone
- Weather-proof
- Lightweight and flexible
- Payload agnostic
- Rebroadcasts
- Resolves a blackspot
- Extends radio network

## SCORPIO

### EASY AI TARGETING

- 2kg payload - 10km
- Rapid assembly
- 10Km range
- 15 min Flight time
- 140Km/Hr speed

# RUNNER

## *LAST-MILE RESUPPLY MADE EASY*



- 1.2kg of payload up to 50km
- 3.5kg up to 20km
- **Simple operation**
  - Select co-ordinates from any smart device (no app installation required)
  - Select required height and "GO"
  - Drone flies to selected location
- Follows terrain automatically
- Rapid deployment
- Weather resistant
- Total security - no onboard data gathering
- No radio frequency - resistant to RF jamming
- 'Mast Mode' feature - Runner can act as a radio mast for 1 hour

# RUNNER : Applications



## FOR DELIVERIES



TO SEND WATER, MEDICAL SUPPLIES, AMMUNITION, IT HARDWARE, FOOD ETC.

## FOR ELECTRONIC WARFARE (EW)



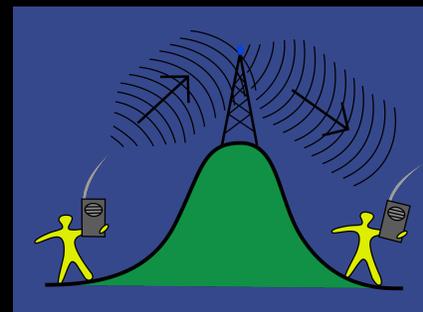
RUNNER DOESN'T USE RADIO FREQUENCIES (RF) SO CAN CARRY AN RF JAMMER

## AS A NODE ON A MESH RELAY NETWORK



HAVING A WAVE RELAY RADIO ON SEVERAL RUNNERS WOULD MAKE THEM LOOK LIKE TROOP MOVEMENTS – PERFECT FOR DISTRACTION TECHNIQUES AS WELL AS OVERCOMING BLACK SPOTS

## AS A RADIO REPEATER



HAVING A RADIO REPEATER CAN OVERCOME SOME OF THE RF JAMMING PROBLEMS THAT OCCUR WHEN USING FPV DRONES, GIVING THEM FURTHER RANGE

# RUNNER : Deployment



## SWARMING

ONE USER CAN OPERATE UP TO 100 DRONES  
WITH ONE SMART DEVICE

THIS MAKES IT PERFECT FOR SENDING  
MILITARY LOGISTIC PAYLOADS

IN ADDITION, IT COULD BE USED AS A SCARE  
TACTIC, SENDING HUNDREDS AT A TIME TO  
ROUT AN ENEMY EVEN WITHOUT ANY  
KINETIC EFFECT PAYLOADS



# SCIMITAR FPV DRONE



## TARGETED REACH MADE EASY

- SEND 2KG OF PAYLOAD
- 15KM OPERATING RANGE
- UP TO 120KM/H SPEED
- SIMPLE OPERATION
- QUICKLY DEPLOYABLE
- 15 MINUTE FLIGHT TIME
- WEATHER RESISTANT
- SMALL FRAME



# SCIMITAR - POSSIBLE SYSTEM SCENARIO



SEVERAL RUNNERS  
CARRYING RADIO REPEATERS  
AT 200M

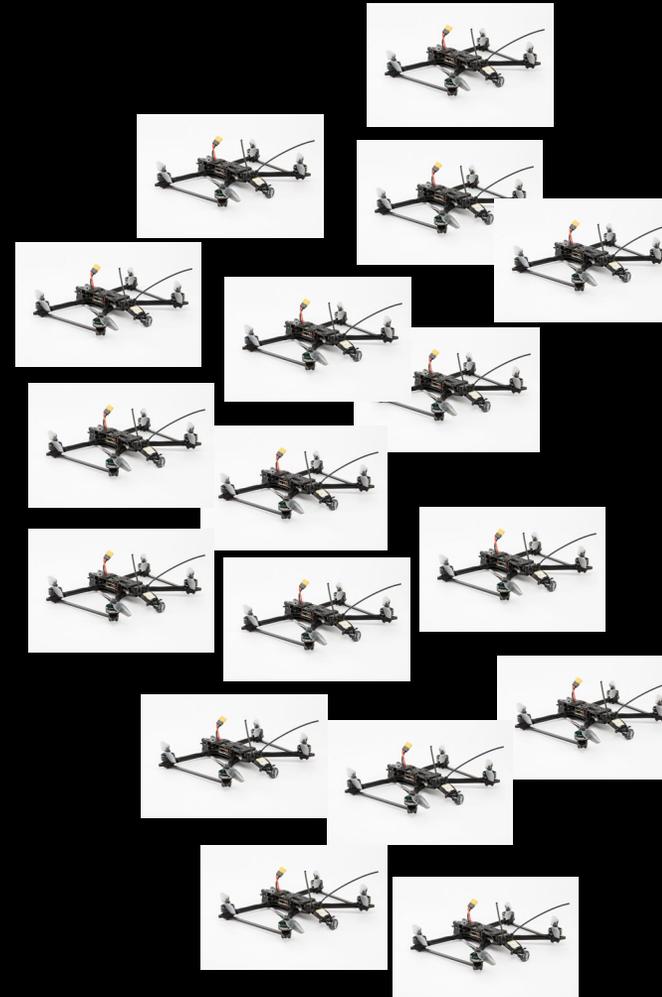


POWER OF THE RADIOS CAN  
BE INCREASED FAR ABOVE  
THAT USED AT GROUND  
LEVEL



OVERCOME RADIO JAMMING

ENSURE MORE ACCURATE  
TARGETING





# SENTINEL

## TETHERED DRONES MADE EASY

**SENTINEL - Designed for easy tethering.**

- ▽ **Runs directly from a vehicle with our patented power systems :**
  - run from *fixed* battery
  - an idling vehicle (12v/24v)
  - mains power
- ▽ **European-made drone systems (i.e. no significant Chinese parts):**
  - suitable for every military and government agency (including the US).
- ▽ **Weather-proof, lightweight and flexible with high wind resistance**
- ▽ **Payload agnostic for the ultimate flexibility.**
- ▽ **Proved effective at communications rebroadcast**
  - wipes out a blackspot
  - Extends reach of the radio network



# SENTINEL

## TETHERED DRONE

### ABOUT TETHERED DRONES



- NO BATTERY - Power from a power source via a cable .  
**BENEFIT:** Flying time can be extended from 15-20 minutes to hours.
- The drone is tethered to the ground via a power cable  
**BENEFIT:** Broader uses in new areas, including increased intelligence gathering, surveillance and target acquisition.
- Long Local Airtime  
**BENEFIT:** They can be used in place of masts – much quicker to set up, can reach higher altitude and are lighter to carry
- This makes them attractive to the military, blue-light and security sectors
- Civilian sectors are now looking at them for security in critical national infrastructure





# SCORPIO FPV

## TARGETED AI MADE EASY



- Rapid assembling/ by screwdriver only within 15 min
- Payload up to 2 kg
- 10 km Range
- Flight duration: 15 min
- Speed: 140 km/hr.

The program features provide automatic guidance to the object of the conditions of local electronic warfare at the final stages of the flight  
(Developed for rapid implementation in Ukraine as already in use by Russian forces)



# CONTACT

EMAIL: [info@bcbin.com](mailto:info@bcbin.com)

WEB: [www.bcbin.co.uk](http://www.bcbin.co.uk)

CALL: +44 (0) 29 2043 3700