



# Parrot® minidrones

## A new generation of connected robots coming late July!

- *13 ultra technological connected robots join the Parrot Minidrones team.*
- *Equipped with new capabilities, these highly playful drone toys are ready for action on the ground, in the air and... on the water!*

With the second generation of Parrot Minidrones, plunge into the era of connected toys. Our ultra-technological miniaturized robots piloted with a smartphone or a tablet via the free piloting app, FreeFlight 3.

Regrouped in three clans, they are ready to take on all your challenges!

### The 'Jumping'

These super rovers roll, rush, zigzag, take turns at 90° and jump up to 2.5 feet high or long! They can see, listen and talk thanks to an embedded wide angle camera, a microphone and a speaker.

- The '**Night**' are night vision robots equipped with two powerful LEDs of variable luminous intensity.
- The '**Race**' are racing cars capable of doing 8 mph bursts of speed.

### The 'Airborne'

These aces of acrobatics are quadricopters capable of performing flips and of ripping through the air at 11 mph.

- The '**Night**' can fly day and night thanks to two powerful LEDs of variable luminous intensity.
- The '**Cargo**' are transport drones, capable of carrying figurines or toy bricks.

### The 'Hydrofoil'

These flying drones are attached to an hydrofoil, which can lift out of the water. They can reach the speed of 5.4 knots (6 mph).

*“The success of our first Minidrones, sold at more than 600,000 units, pushed us to expand the family of these super high-tech toys,” said Henri Seydoux, founder and CEO of Parrot. “After reinventing the helicopter and the radio-controlled car, we are today creating a new category of drone, a super-fast and un-submersible hydrofoil.”*

The new Minidrones, which range from €99 to €179, feature:

- More fun: they can light the night, roll faster or carry bricks!
- More technology: a better autopilot, a more powerful new motorization, a better energy management, and more flying time for the aerial toys; a 4GB memory and an audio mode for the rovers.
- More design: a family of nutty robots in the air, on the ground and on the water!

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- Video of the Parrot Minidrones: <http://bit.ly/minidrones5tribes>
- Parrot Minidrones range from €99 to €179.



@Parrot #MiniDronesBigFun

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For more information, visit [www.parrot.com](http://www.parrot.com) or contact:

**PARROT**

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**ABOUT PARROT**

Founded in 1994 by Henri Seydoux, Parrot creates, develops and markets advanced technology wireless products for consumers and professionals.

The company builds on a common technological expertise to innovate and develop in three primary markets:

- Automotive: With the most extensive range of hands-free communication and infotainment systems for vehicles on the market.
- Civil drones: With leisure quadricopters and solutions for professional use.
- Connected objects: With a focus in audio and gardening.

Headquartered in Paris, Parrot currently employs more than 900 people worldwide and generates the majority of its sales overseas.

Parrot has been listed on Euronext Paris since 2006. (FR0004038263 – PARRO)

For more information, please visit [www.parrot.com](http://www.parrot.com)

# Introducing Parrot Jumping

## *The mart terrestrial robots*

The '**Jumping**' are smart terrestrial robots piloted in Wi-Fi 2.4 or 5 Ghz via the free **FreeFlight 3** application<sup>1</sup>.

- **Embedded camera:** they are equipped with a wide angle camera that streams live, immersive views on the screen of the piloting smartphone or tablet. They take pictures and videos which are directly stored on the internal 4GB flash memory.
- **Embedded speaker and microphone:**
  - **They talk:** depending on their mood, they 'bip', 'ziiip', 'groutch', like any robot!
  - **Walkie talkie:** you can talk and listen through them. Imagine: you get close to a cat and you surprise it with the cry of a mouse!
- **A patented spring-mounted system:** true tumblers, they can jump up to 2.5 ft. in height and length and always land on their wheels!
- **Automatic movements:** the Jumping perform acrobatics, without the need for training: spin, around, jump, roll upside down, push or hit an object.
- **Retractable wheels:** Large or compact mode to adapt to all driving styles.
- **A programmable road plan:** A 'road plan' enables you to program a course and actions. The itinerary appears on the app among the predefined movements. You just have to click on it to see the Jumping Drones maneuver autonomously.

### Discover:

- The **Jumping 'Night'**, robots with night vision equipped with two powerful LEDs of variable luminous intensity.
- The **Jumping 'Race'**, true racing cars capable of accelerating with 8 mph bursts of speed!

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<sup>1</sup> For iOS & Android smartphones and tablets

## Plunge into the dark with the Jumping Night!



The **Jumping Night** can see in the dark. You just have to activate their powerful LEDs from the FreeFlight 3 application and adjust intensity. They can also send light signals, to indicate that the coast is clear or to give notice of a danger.

They can patrol and take complete video reports, even in dark areas.

- Maximum speed: 4 mph
- Jump: up to 2.5 ft. (high & length)
- Autonomy: 20 min – Fast charge 25 minutes (with a 2.6A charger, not included)

**3 characters available: Diesel, Buzz and Marshall**

**MSRP: €189.00**

## Challenge the clock with the Jumping Race!



Equipped with powerful engines and large wheels for perfect traction, the **Jumping Race** reaches up to six mph thanks to “boost” mode, available from FreeFlight 3.

Their two large retractable wheels adapt to all driving styles.

- Wheels open, for greater stability in high-speed, ideal on smooth race track.
- Compact mode to enhance agility and drive through narrow areas.

Thrills guaranteed!

- Maximum speed: 6 mph
- Jump: up to 2.5 ft. (high & length)
- Autonomy: 20 min – Fast charge 25 minutes (with a 2.6A charger, not included)

**3 characters available: Jett, Max and Tuk-Tuk**

**MSRP: €189.00**

## Introducing Parrot Airborne, *The flying acrobatic robots*

Ultra-compact and hyper light (1.2 lbs.<sup>2</sup>), the **Parrot 'Airborne'** are flying robots piloted in Bluetooth Smart via the free **FreeFlight 3** application for smartphones and tablets<sup>3</sup>.

Comfortable both indoors and outdoors, they are equipped with an removable polyamide hull to protect the propellers.

- **Full of sensors:** The **Parrot 'Airborne'** have remarkable flight stability and utilize technologies usually dedicated to larger drones:
  - **A 3-axis accelerometer and a 3-axis gyroscope** measure and analyze each movement or inclination of the drone and, thanks to the autopilot, rectify the position of the Minidrone.
  - **A vertical camera** compares, every 16 milliseconds, an image of the ground to the previous one to determine the speed of the Minidrone. It also enables the Minidrone to take snapshots which are recorded on the 1 Gb Flash memory<sup>4</sup>. Perfect for aerial "selfies."
  - **An ultrasound sensor** analyzes the flight altitude up to 13 ft. Beyond, a pressure sensor controls the Minidrone in altitude.
- **Aces of acrobatics:** The **'Airborne'** do high-speed flights: they rush up to 11 mph, turn right, turn left, perform flips with amazing fluidity and stability. A 'swipe' on the screen and the **Parrot 'Airborne'** turn 90 or 180° in a flash. They are always on alert. Throw them and their sensors detect it instantaneously: engines start automatically and they stabilize in the air!

### Discover:

- The **Airborne 'Night'**, enabled to fly day and night thanks to two powerful LEDs of variable luminous intensity.
- The **Airborne 'Cargo'**, transport drones able to carry figurines or toy bricks.

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<sup>2</sup>Weight without hull

<sup>3</sup>iOS & Android

<sup>4</sup> Transferred on a computer via the embedded micro-USB connector

## Set out on an expedition with the Airborne Night!



Thanks to their powerful white LEDs activated from **Free Flight 3**, the **Airborne Night** can explore even in the shadows of darkness.

During night patrols, you can modify the intensity of their headlights and, same as for their terrestrial counterpart, you can send signals!

They can explore areas that are gloomy and only accessible from the air.

- Maximum speed: 11 mph
- Autonomy: 9 min without hull -- Fast charge 25 minutes (with a 2.6A charger, not included)

**3 characters available: SWAT, Mac Lane and Blaze**

**MSRP: €129.00**

## Embark on risky missions with the Airborne Cargo!



The **Parrot Airborne Cargo** are transport drones capable of carrying a pilot or any kind of freight, like toy blocks.

This customization potential opens the imagination to all kinds of adventures!

- Maximum speed: 11 mph
- Autonomy: 9 min without hull -- Fast charge 25 minutes (with a 2.6A charger, not included)

**2 characters available: Mars and Travis**

**MSRP: €99.00**

## Introducing Parrot Hydrofoil, The hybrid robots uniting water and air



Piloted in Bluetooth Smart from **FreeFlight 3** application<sup>5</sup>, the **Hydrofoils** are flying Minidrones that can be attached to a an hydrofoil.

They rise out of the water and rush like the racers in a sailing match.

- Once the engines are on, the upper part of the Hydrofoil positions perpendicularly to the nautic structure.  
Thanks to the four propellers of the Minidrone, it slides on the water and stays about 2 inches above it with amazing stability and agility.
- As the water resistance is reduced, it can reach the maximum speed of 5.4 knots (6 mph) and turn in a flash without capsizing.
- Equipped with all the capabilities that are common to the 'Airborne' drones<sup>6</sup>, the Hydrofoils can be separated from their nautical structure in order to rip through the air and do breathtaking aerial acrobatics!
- Maximum speed:
  - 11 mph in the air
  - 6 mph (5.4 knots) on water (*it is recommended to use the Hydrofoil on freshwater*)
- Autonomy: 7 minutes -- Fast charge 25 minutes (with a 2.6A charger, not included)

**2 characters available: Orak & New Z**

**MSRP: €179.00**



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<sup>5</sup> iOS & Android

<sup>6</sup> Except the LEDs and the capability to embark a personage

## Technical specifications

Jumping Night	Jumping Race	Airborne Night	Airborne Cargo	Hydrofoil
Flash memory 4GB	Flash memory 4GB	Flash memory 1GB	Flash memory 1GB	Flash memory 1GB
Camera	Camera	Camera	Camera	Camera
VGA Videos/Photos (640 x 480 px) 30 frames per second	VGA Videos/Photos (640 x 480 px) 30 frames per second	Snapshot VGA (480x640) 300,000 pixels	Snapshot VGA (480x640) 300,000 pixels	Snapshot VGA (480x640) 300,000 pixels
Specific Characteristics	Specific Characteristics	Specific Characteristics	Specific Characteristics	Specific Characteristics
White LEDs	Large wheels	White LEDs	Customizable	Removable nautical structure
Microphone Speakerphone	Microphone Speakerphone	Removable hull in polyamide	Removable hull in polyamide	
Speed & Jump	Speed & Jump	Speed	Speed	Speed
Up to 7km/h (4.3 mph) Jump: 80 cm/2.5 ft. (high/long)	Up to 13km/h (8mph) Jump: 75 cm/2.5 ft. (high/long)	Up to 18 km/h (11.2 mph)	Up to 18 km/h (11.2 mph)	Up to 18 km/h (11.2 mph) in the air Up to 10km/h (6.2 mph) on water
Connectivity	Connectivity	Connectivity	Connectivity	Connectivity
Generates its own Wi-Fi® (AC) 2.4 or 5 Ghz Range: up to 50 m/164 ft.	Generates its own Wi-Fi® (AC) 2.4 or 5 Ghz Range: up to 50 m/164 ft.	Via Bluetooth® Smart Range: up to 20 m/65 ft.	Via Bluetooth® Smart Range: up to 20 m/65 ft.	Via Bluetooth® Smart Range: up to 20 m/65 ft.
Application	Application	Application	Application	Application
FreeFlight 3, free app for smartphones and tablets iOS & Android	FreeFlight 3, free app for smartphones and tablets iOS & Android	FreeFlight 3, free app for smartphones and tablets iOS & Android	FreeFlight 3, free app for smartphones and tablets iOS & Android	FreeFlight 3, free app for smartphones and tablets iOS & Android
Battery	Battery	Battery	Battery	Battery
Rechargeable Lithium-Polymer 550 mAH battery Lasts up to 20 min	Rechargeable Lithium-Polymer 550 mAH battery Lasts up to 20 min	Rechargeable Lithium-Polymer 550 mAH battery Lasts up to 9 min (7 min with hull)	Rechargeable Lithium-Polymer 550 mAH battery Lasts up to 9 min (7 min with hull)	Rechargeable Lithium-Polymer 550 mAH battery Lasts up to 9 min (7 min with structure)
Fast charge: 25 min (with 2.6 A charger not included)	Fast charge: 25 min (with 2.6 A charger not included)	Fast charge: 25 min (with 2.6 A charger not included)	Fast charge: 25 min (with 2.6 A charger not included)	Fast charge: 25 min (with 2.6 A charger not included)
OS	OS	OS	OS	OS
Operates under Linux Free SDK for developers	Operates under Linux Free SDK for developers	Operates under Linux Free SDK for developers	Operates under Linux Free SDK for developers	Operates under Linux Free SDK for developers
Dimensions & Weight	Dimensions & Weight	Dimensions & Weight	Dimensions & Weight	Dimensions & Weight
Large wheels: 186 x 155 x 116 mm (7.3 x 6.1 x 4.5 in)	Large wheels: 189 x 155 x 116 mm (7.4 x 6.1 x 4.5 in)	With hull: 180 x 185 x 40 mm (7.0 x 7.2 x 1.5 in)  63 gr/2.2 oz.	With hull: 180 x 185 x 40 mm (7.0 x 7.2 x 1.5 in) 63 gr/2.2 oz.  Without hull: 150 x 150 x 40 mm (5.9 x 5.9 x 1.5 in) 54 gr/ 1.9 oz.	With hydrofoil: 320 x 340 x 140 mm (12.5 x 13.7 x 5.5 in)  247 gr/87 oz.  Without hydrofoil: 150 x 150 x 40 mm (5.9 x 5.9 x 1.5 in) 58 gr/2.0 oz.
Tightened wheels: 143 x 155 x 116 mm (5.6 x 6.1 x 4.5 in)	Tightened wheels: 143 x 155 x 116 mm (5.6 x 6.1 x 4.5 in)	Without hull: 150 x 150 x 40 mm (5.9 x 5.9 x 1.5 in)		
192 gr/ 6.7 oz.	205 gr/7.2 oz.	54 gr/1.9 oz.		
Box content	Box Content	Box Content	Box Content	Box Content
1 Jumping Night Drone 2 spare rubber feet 1 battery 1 USB/Micro USB cable 1 set of stickers 1 quick start guide	1 Jumping Race Drone 2 spare rubber feet 1 battery 1 USB/Micro USB cable 1 set of stickers 1 quick start guide	1 Airborne Night Drone 1 hull 1 battery 1 USB/Micro USB cable 1 set of stickers 1 quick start guide	1 Airborne Cargo Drone 1 hull 1 battery 1 USB/Micro USB cable 1 set of stickers 1 quick start guide	1 Hydrofoil Drone 1 hydrofoil structure 1 battery 1 USB/Micro USB cable 1 set of stickers 1 quick start guide