Today Parrot announced the launch of the Parrot Disco, the first easy-to-fly fixed-wing drone that provides the ultimate fully immersive flight experience.

The ultra-lightweight Parrot Disco is powerful and displays impressive airborne performances. It can reach top speeds of 80 km/h and offers 45 minutes of flight time.

Previous piloting experience isn’t necessary to fly the Parrot Disco. It takes-off and lands automatically and comes fully equipped with a powerful autopilot function to help control the flight.

For example, when the control stick of the remote control is tilted to the right, the fixed-wing drone will curve in the same direction, while the autopilot takes care of lightly tilting the wing and increasing the speed of the engine.

The immersive experience of the Parrot Disco is very intuitive and accessible. Parrot has created a first person view (FPV) headplay Parrot Cockpitglasses which plunges the pilot into the heart of the action by live streaming the airborne footage captured by Disco’s Full HD frontal camera.

The Parrot Disco can be flown with complete precision thanks to a new and compact remote control - Parrot Skycontroller 2. Model aircraft enthusiasts will also be able to pilot Parrot’s fixed-wing drone from their own RC controller, in full manual mode and after connecting a module².

Unique by its design and performance capabilities, Parrot Disco offers everyone the possibility of an immersive flight without having any technical knowledge, and the possibility to record high quality aerial shots using the fixed-wing drone’s 32 GB memory.

Availability: October 2016
MSRP: $ AU$2,399.99 / NZ$2,499.00 Parrot Disco FPV (Parrot Disco + Parrot Skycontroller 2 + Parrot Cockpitglasses)

² RC module not included
Parrot Disco: lightweight, compact, powerful

- An unique aerodynamic shape

The compact (58cm x 115cm) Parrot Disco is a fixed-wing drone made from EPP (expanded Polypropylene) and reinforced by carbon tubes, meaning it is both lightweight (750gr) and robust.

The Parrot Disco’s wings are especially engineered to optimise both stability and speed in flight, thanks to a unique aerodynamic airfoil which reduces the trail and improves the lift. The extremities of the wings are equipped with Winglet (the vertically hooked part) and mobile ailerons – as found on aircraft – which are positioned on the trailing edge to support steering.

- Powerful, for a unique flight experience

Parrot Disco shows impressive flight performances. It’s propelled by a brushless engine with a folding bi-blades propeller, which can reach the speed of 80km/h and resist winds of 40km/h! To fully benefit from this unique flight experience, its Lipo battery offers up to 45min flight time.

Parrot Disco: impressive performances and assisted piloting

Parrot Disco includes advanced autopilot with no equivalent computing power: Parrot C.H.U.C.K (Control Hub & Universal Computer Kit), which secures each phase of the flight thanks to its large number of sensors.

- Automatic take-off and landing

To prepare the fixed-wing drone for take-off, the pilot has to simply push the button found on the upper part of Disco nose, followed by the ‘take-off/landing’ button of the Parrot Skycontroller 2 remote control, and finally to throw the wing towards the sky like a frisbee. Parrot Disco then takes-off, soaring automatically to an altitude of 50m/164ft, and hovers in a circular motion until it receives instructions from the pilot.

To land, the pilot must press the ‘take-off/landing’ button of the remote control. Parrot Disco then inclines its flaps and declines 6m/19ft in altitude. At this moment, the drone will receive signals from the altimeter, the ultrasound sensor and the vertical camera, and its engine’s thrust reverses to reduce the speed to ensure a smooth landing in a straight line.
• **Assisted piloting**

The stability of *Parrot Disco* comes from the algorithms developed for *Parrot C.H.U.C.K.*, which adapt the parameters of the flight throughout and prevents any stall of the device when the pilot does a critical manoeuvre.

The Pitot tube as used in the aircraft industry provides the on-board computer information about the “Airspeed”, which is crucial to adapt the engine output in real time and to ensure the lift of the device. Coupled with an inertial navigation system (accelerometer, gyroscope, magnetometer, and altimeter) and a GNSS module (GPS + GLONASS), the direction, the altitude and the speed of the flight are automatically maintained to simplify the piloting of *Disco*. Finally, for optimum safety, the “Return Home” and “geofence” functions proposed by the *FreeFlight Pro application* make it possible for *Parrot Disco* to return automatically above its take-off position - thanks to the precision of its GPS.

• **Manual mode**

*Parrot Disco* caters perfectly for model aircraft enthusiasts and is compatible with the majority of *RC remote controls*. Just connect a RC transmitter (not provided) with the *Parrot C.H.U.C.K*. The pilot must then deploy his skills to do acrobatic with the fixed-wing drone in full manual mode!

**Parrot Cockpitglasses: the immersive experience with a smartphone!**

For the most intense, immersive and extraordinary flight experience Parrot has created a FPV headplay: *Parrot Cockpitglasses*³.

The pilot simply inserts their smartphone³, on which the footage captured by the *Disco’s* 14 Megapixels Full HD frontal camera is streamed live.

They can then enjoy a fully immersive, wide angle and HD vision with perfectly stable images, with no distortion. They can also follow the *Disco’s* flight path thanks to the display of a radar and telemetric data –placing the pilot in the cockpit of the drone.

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³ The usage of Parrot Cockpitglasses requires the presence of a co-pilot. Before flying, verify the local regulations.
³ iOS or Android
**Parrot Skycontroller 2: high precision piloting for all!**

The **Parrot Disco** comes with the **Parrot Skycontroller 2**, a new and XS-format Wi-Fi MIMO remote control which offers a **2 kms theoretical reach**.

Completely redesigned to blur the boundaries between gamepads and RC controllers, **Parrot Skycontroller 2** is **lightweight** (500gr), compact and very easy and intuitive to handle.

Its **two joysticks** manoeuvre individually to ensure in flight precision, controlling the drone’s power, direction, altitude. Its customisable ‘direct access’ and ‘trigger’ buttons give access to the numerous functions and options of the fixed-wing drone and the **Parrot Cockpitglasses**. This includes the “direct view” function, which enables the pilot to see **Disco** through the camera of the smartphone when wearing Parrot’s FPV headplay.

The **Parrot Skycontroller 2** can also be connected to an iOS or Android smartphone / tablet via the new **FreeFlight Pro** application, providing the pilot with seamless video streaming, and a platform to refine the settings of **Parrot Disco** (e.g. geofencing or limitation of the altitude/ of the distance, recording of the video on the 32Gb of the flying wing...).

**FreeFlight Pro: the application dedicated to Parrot Superdrones**

The **FreeFlight Pro** app is available for free on AppStore and Google Play. This intuitive interface enables the user to tailor the commands and flight parameters to their own personal level. This includes speed, limitation of the altitude or distance, management of the Wi-Fi connection, the photo/video parameters, and watch video footage captured by **Parrot Disco** live from an iOS or Android smartphone or tablet.

Parrot cloud, which is also free and integrated with in **FreeFlight Pro**, saves the data of each flight. **FreeFlight Pro** also enables the pilot to configure **Parrot Skycontroller 2** in order to customize its commands. It also gives users access to ‘Flight Plan’ (in-App purchase option) to create automatic flights very easily.

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4 Parrot Bebop, Parrot Bebop 2 and Parrot Disco
Fly responsible!
Expert and novice pilots should take the command of a leisure drone in a responsible way and in respect with the applicable rules and regulations.
To fully enjoy Parrot Disco, Parrot recalls some usual rules:
- Never lose sight of Parrot Disco;
- Do not approach or film people without their consent;
- Be very careful to privacy;
- Do not exceed the maximum authorized altitude in your country;
- Do not fly near airports, military bases, industrial zones and other sensitive areas;
- Do not fly over populated and urban areas;
- Do not fly in rain, snow, fog, strong wind or at night;
- Do not fly over stations, rails lines and highways.
Access safety instructions here.
Parrot recommends you always take note of the local regulations.

Parrot Disco with Parrot Cockpitglasses and Parrot Skycontroller 2

MSRP: AU$2,399.99 / NZ$2,400.00
Available October 2016

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Discover Parrot Disco video HERE

For more information, visit http://www.parrot.com/fr or contact:

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ABOUT PARROT
Founded in 1994 by Henri Seydoux, Parrot creates, develops and markets high tech wireless products for the retail and professional markets. The company operates in 3 main sectors:
- Civil Drones (UAVs) through retail leisure quadcopters and cutting hedge professional solutions
- Automotive, with the widest range of hands-free communication systems and infotainment solutions for the car,
- Connected objects, in the area of sound as well as gardening.
Parrot, headquartered in Paris, currently employs over 1000 people worldwide and generates the majority of its revenues outside of France. The company is listed on Euronext Paris (FR0004038263 – PARRO) since 2006.