

Antigravity A Series Data

The data collected by Antigravity A Series drones may vary by version and model. For details, please refer to the product [User Manual](#) and the [User Service Agreement](#). In general, the product data and related service data processed by the A Series drones are as follows:

1. Product Data

This product set consists of the A1 Drone, Vision Goggles, and a Grip Motion Controller. During use and flight, it acquires, generates, or collects data as follows:

- A1 Drone: Records 8K 360° panoramic footage and its status, flight control status, and flight-safety-related status, and reflects the power level and operating status of the aircraft and battery to ensure flight safety and facilitate troubleshooting.
- Vision Goggles: Presents immersive panoramic real-time video transmission, and records changes in viewing angle as the wearer turns their head to look in different directions.
- Grip Motion Controller: Used for motion control; records the spatial orientation of the grip, wrist rotation, and trigger operations to support the "point-and-fly" FreeMotion Mode and FPV Mode.

Data	Type of Data	Format	Estimated Volume	Capable of Generating Data Continuously and in Real-Time	Where the Data Is Stored	Duration of Data Retention	How the User May Access the Data	How the User May Retrieve the Data	How the User May Erase the Data
Grip Motion Controller Firmware Version	Device Identification Information	String	~10 B	No	Grip Motion Controller (local)	Until the next update	App – Device Management	Screenshot or transcription of the interface	Factory reset / overwritten by firmware update
Vision Goggles Firmware Version	Device Identification Information	String	~10 B	No	Vision Goggles (local)	Until the next update	App – Device Management	Screenshot or transcription of the interface	Factory reset / overwritten by firmware update
Drone Firmware Version	Device Identification Information	String	~10 B	No	Drone (local)	Until the next update	App – Device Management	Screenshot or transcription of the interface	Factory reset / overwritten by firmware update
Intelligent Battery Serial Number	Device Identification Information	String	~20 B	No	Battery (local)	Product lifecycle	App – Battery Information	Screenshot or transcription of the interface	Not applicable (factory-hardcoded device identifier; cannot be deleted)
Grip Motion	Device	String	~20 B	No	Grip	Product lifecycle	App –	Screenshot	Not applicable

Data	Type of Data	Format	Estimated Volume	Capable of Generating Data Continuously and in Real-Time	Where the Data Is Stored	Duration of Data Retention	How the User May Access the Data	How the User May Retrieve the Data	How the User May Erase the Data
Controller Serial Number	Identification Information				Motion Controller (local)		Device Management	or transcription of the interface	(factory-hardcoded device identifier; cannot be deleted)
Vision Goggles Serial Number	Device Identification Information	String	~20 B	No	Vision Goggles (local)	Product lifecycle	App – Device Management	Screenshot or transcription of the interface	Not applicable (factory-hardcoded device identifier; cannot be deleted)
Drone Serial Number	Device Identification Information	String	~20 B	No	Drone (local)	Product lifecycle	App – Device Management	Screenshot or transcription of the interface	Not applicable (factory-hardcoded device identifier; cannot be deleted)
Grip Motion Controller Model	Device Identification Information	String	~10 B	No	Grip Motion Controller (local)	Permanently	App – Device Management	Screenshot or transcription of the interface	Not applicable (factory-hardcoded device identifier; cannot be deleted)
Vision Goggles Model	Device Identification	String	~10 B	No	Vision Goggles	Permanently	App – Device	Screenshot or transcription	Not applicable (factory-hardcoded device identifier;

Data	Type of Data	Format	Estimated Volume	Capable of Generating Data Continuously and in Real-Time	Where the Data Is Stored	Duration of Data Retention	How the User May Access the Data	How the User May Retrieve the Data	How the User May Erase the Data
	Information				(local)		Management	of the interface	cannot be deleted)
Drone Model	Device Identification Information	String	~10 B	No	Drone (local)	Permanently	App – Device Management	Screenshot or transcription of the interface	Not applicable (factory-hardcoded device identifier; cannot be deleted)
Flight Mode	Flight Status Data	Enum (Normal N / Sport S / Cinematic C)	~4 B	No	Drone / Grip Motion Controller (local)	Until the next change	Vision Goggles – Flight Interface	Screenshot or transcription of the interface	Factory reset
Flight Status	Flight Status Data	Enum (Standby / Takeoff / In flight / Landing / Ground)	~4 B	Yes	Drone / Grip Motion Controller (local)	Until the flight record is deleted	Vision Goggles – Flight Interface; App – Flight Records	Export flight record	Delete flight record
Geofence Trigger Record	Flight Status Data	Timestamp + location	~50 B/event	No	Drone (local)	Until the flight record is deleted	App – Flight Records	View flight record	Delete flight record

Data	Type of Data	Format	Estimated Volume	Capable of Generating Data Continuously and in Real-Time	Where the Data Is Stored	Duration of Data Retention	How the User May Access the Data	How the User May Retrieve the Data	How the User May Erase the Data
Grip Motion Controller Signal Strength (RSSI)	Connection Status Data	Icon color scale (White = strong / Orange = moderate / Red = very weak / Gray = lost)	~4 B	Yes	Drone / Grip Motion Controller	Real-time buffer	Vision Goggles – Flight Interface	Screenshot or transcription of the interface	Automatically deleted after processing
Camera Recording Status	Camera Data	Boolean	~1 B	Yes	Drone / Grip Motion Controller (local)	Real-time	Vision Goggles – Flight Interface	Screenshot or transcription of the interface	Automatically deleted after processing
Camera Photo/Video Capture Trigger Record	Camera Data	Timestamp	~8 B/event	No	Drone (local)	Until the flight record is deleted	App – Flight Records	View flight record	Delete flight record
Obstacle Avoidance System Status	Obstacle Avoidance Sensor Data	Enum	~4 B	No	Drone (local)	Until the next change	Vision Goggles – Safety Settings	Screenshot or transcription of the interface	Factory reset

Data	Type of Data	Format	Estimated Volume	Capable of Generating Data Continuously and in Real-Time	Where the Data Is Stored	Duration of Data Retention	How the User May Access the Data	How the User May Retrieve the Data	How the User May Erase the Data
Maximum Altitude Limit	Flight Settings	Numeric (m)	~4 B	No	Drone (local)	Until the next change	Vision Goggles – Safety Settings	Screenshot or transcription of the interface	Factory reset
Maximum Distance Limit	Flight Settings	Numeric (m)	~4 B	No	Drone (local)	Until the next change	Vision Goggles – Safety Settings	Screenshot or transcription of the interface	Factory reset
Video Transmission Signal Strength	Connection Status Data	Icon color scale (White = strong / Orange = moderate / Red = very weak / Gray = lost)	~4 B	Yes	Vision Goggles (local)	Real-time	Vision Goggles – Flight Interface	Screenshot or transcription of the interface	Automatically deleted after processing
Video Transmission Channel/Frequency Band	Connection Status Data	Enum (2.4G / 5.1G / 5.8G)	~4 B	Yes	Drone (local)	Real-time	Vision Goggles – Settings	Screenshot or transcription of the	Automatically deleted after processing

Data	Type of Data	Format	Estimated Volume	Capable of Generating Data Continuously and in Real-Time	Where the Data Is Stored	Duration of Data Retention	How the User May Access the Data	How the User May Retrieve the Data	How the User May Erase the Data
								interface	
Signal Loss / Disconnection RTH Trigger Record	Diagnostic Data	Timestamp + enum	~50 B/event	No	Drone (local)	Until the flight record is deleted	App – Flight Records	View flight record	Delete flight record
Control Mode	Flight Settings	Enum	~4 B	No	Drone (local)	Until the next change	Vision Goggles – Menu	Screenshot or transcription of the interface	Factory reset
Camera Memory Card Remaining Space	Camera Data	Duration	~4 B	Yes	Drone (local)	Real-time	Vision Goggles – Flight Interface	Screenshot or transcription of the interface	Format the memory card
Takeoff/Landing Status	Device Status Data	Enum	~1 B	Yes	Drone (local)	Real-time	Vision Goggles – Flight Interface	Screenshot or transcription of the interface	Automatically deleted after processing
Altitude	Sensor Data	Numeric (m)	~4	Yes	Drone	Until the flight	Vision	Export	Delete flight

Data	Type of Data	Format	Estimated Volume	Capable of Generating Data Continuously and in Real-Time	Where the Data Is Stored	Duration of Data Retention	How the User May Access the Data	How the User May Retrieve the Data	How the User May Erase the Data
			B/sample		(local)	record is deleted	Goggles – Flight Interface; App – Flight Records	flight record	record
Height Relative to Takeoff Point	Sensor Data	Numeric (m)	~4 B/sample	Yes	Drone (local)	Until the flight record is deleted	Vision Goggles – Flight Interface; App – Flight Records	Export flight record	Delete flight record
Height Above Ground Level	Sensor Data	Numeric (m)	~4 B/sample	Yes	Drone (local)	Until the flight record is deleted	App – Flight Records	Export flight record	Delete flight record
Horizontal Speed	Sensor Data	Numeric (m/s)	~4 B/sample	Yes	Drone (local)	Until the flight record is deleted	Vision Goggles – Flight Interface; App – Flight Records	Export flight record	Delete flight record
Vertical Speed	Sensor Data	Numeric (m/s)	~4 B/sample	Yes	Drone (local)	Until the flight record is deleted	Vision Goggles – Flight	Export flight record	Delete flight record

Data	Type of Data	Format	Estimated Volume	Capable of Generating Data Continuously and in Real-Time	Where the Data Is Stored	Duration of Data Retention	How the User May Access the Data	How the User May Retrieve the Data	How the User May Erase the Data
							Interface; App – Flight Records		
Drone GPS Location	Sensor Data	Numeric (degrees)	~16 B/sample	Yes	Drone (local)	Until the flight record is deleted	App – Flight Records	Export flight record	Delete flight record
GNSS Positioning Type	Sensor Data	Enum (0 / 2D / 3D / RTK)	~1 B/sample	Yes	Drone (local)	Until the flight record is deleted	App – Flight Records	Export flight record	Delete flight record
Number of GNSS Satellites	Sensor Data	Numeric	~4 B/sample	Yes	Drone (local)	Until the flight record is deleted	App – Flight Records	Export flight record	Delete flight record
Barometric Pressure	Sensor Data	Numeric (Pa/hPa)	~4 B/sample	Yes	Drone (local)	Until the flight record is deleted	App – Flight Records	Export flight record	Delete flight record
Total Battery Voltage	Device Status Data	Numeric (V)	~4 B/sample	Yes	Drone (local)	Until the flight record is deleted	App – Flight Records	Export flight record	Delete flight record
Drone Battery Level	Device Status Data	Numeric (%)	~4 B	Yes	Drone (local)	Until the flight record is deleted	Vision Goggles – Flight Interface; App – Flight	Export flight record	Delete flight record

Data	Type of Data	Format	Estimated Volume	Capable of Generating Data Continuously and in Real-Time	Where the Data Is Stored	Duration of Data Retention	How the User May Access the Data	How the User May Retrieve the Data	How the User May Erase the Data
							Records		
Battery Charge/Discharge Cycle Count	Device Status Data	Numeric	~4 B	No	Battery (local)	Battery lifecycle	App – Battery Information	Screenshot or transcription of the interface	Not applicable (accumulated over the lifecycle; cannot be cleared even by factory reset)
Grip Motion Controller Battery Level	Device Status Data	Numeric (%)	~4 B	Yes	Grip Motion Controller	Real-time	Vision Goggles – Flight Interface	Screenshot or transcription of the interface	Automatically deleted after processing
Vision Goggles Battery Level	Device Status Data	Numeric (%)	~4 B	Yes	Vision Goggles	Real-time	Vision Goggles – Flight Interface	Screenshot or transcription of the interface	Automatically deleted after processing
Takeoff Timestamp	Flight Status Data	Timestamp	~8 B/event	No	Drone (local)	Until the flight record is deleted	App – Flight Records	View flight record	Delete flight record
Landing	Flight Status	Timestamp	~8 B/event	No	Drone	Until the flight	App – Flight	View flight	Delete flight

Data	Type of Data	Format	Estimated Volume	Capable of Generating Data Continuously and in Real-Time	Where the Data Is Stored	Duration of Data Retention	How the User May Access the Data	How the User May Retrieve the Data	How the User May Erase the Data
Timestamp	Data				(local)	record is deleted	Records	record	record
Flight Duration	Flight Status Data	Numeric (s)	~4 B/event	Yes	Drone (local)	Until the flight record is deleted	App – Flight Records	View flight record	Delete flight record
Total Flight Distance	Flight Status Data	Numeric (m)	~4 B/event	Yes	Drone (local)	Until the flight record is deleted	App – Flight Records	View flight record	Delete flight record
Camera Exposure Parameters	Drone Data	Numeric	~12 B	Yes	Drone (local)	Real-time buffer	Vision Goggles – Flight Interface	Screenshot or transcription of the interface	Factory reset
Camera Resolution/Frame Rate	Drone Data	Numeric	~8 B	No	Drone (local)	Until the next change	Vision Goggles – Flight Interface	Screenshot or transcription of the interface	Factory reset
Forward Obstacle Distance	Obstacle Avoidance Sensor Data	Numeric (m)	~4 B/sample	Yes	Drone (local)	Real-time buffer	Vision Goggles – Flight Interface	Screenshot or transcription of the interface	Automatically deleted after processing

Data	Type of Data	Format	Estimated Volume	Capable of Generating Data Continuously and in Real-Time	Where the Data Is Stored	Duration of Data Retention	How the User May Access the Data	How the User May Retrieve the Data	How the User May Erase the Data
Omnidirectional Obstacle Avoidance Distance	Obstacle Avoidance Sensor Data	Numeric (m)	~4 B/sample	Yes	Drone (local)	Real-time buffer	Vision Goggles – Flight Interface	Screenshot or transcription of the interface	Automatically deleted after processing
Power-On/Off Timestamp	Device Status Data	Timestamp	~8 B/event	No	Drone (local)	Until factory reset	Apply via email / data request form	Apply via email / data request form to obtain	Factory reset
Motor Start Failure Record	Diagnostic Data	Enum	~50 B/event	No	Drone (local)	Until the flight record is deleted	App – Flight Records	View flight record	Delete flight record
Visual Odometry Position Data	Sensor Data	Numeric (m)	~12 B/sample	Yes	Drone (local)	Until the flight record is deleted	App – Flight Records	View flight record	Delete flight record
Telemetry Data Sampling Timestamp	Metadata	Timestamp	~8 B/sample	Yes	Drone (local)	Until the flight record is deleted	App – Flight Records	View flight record	Delete flight record
Flight Anomaly Record	Diagnostic Data	Numeric	~100 B/event	No	Drone (local)	Until firmware update	Apply via email / data	Apply via email / data request	Apply via email / data request form

Data	Type of Data	Format	Estimated Volume	Capable of Generating Data Continuously and in Real-Time	Where the Data Is Stored	Duration of Data Retention	How the User May Access the Data	How the User May Retrieve the Data	How the User May Erase the Data
							request form	form to obtain	to delete
Takeoff Point Location	Flight Status Data	Numeric (degrees)	~16 B	No	Drone (local)	Until the flight record is deleted	App – Flight Records	View flight record	Delete flight record
Home Point Location	Flight Status Data	Numeric (degrees)	~16 B	No	Drone (local)	Until the flight record is deleted	App – Flight Records	View flight record	Delete flight record
Waypoint Route	Flight Mission Data	JSON	~10 KB/mission	No	Drone (local)	Until the route is deleted, the cloud copy is cleared with the account upon account deregistration	Vision Goggles – Menu	Screenshot or transcription of the interface	Delete the route/waypoint; the cloud copy can be deleted via email / data request form or is cleared with the account upon account deregistration
Flight Track (GPS Track)	Flight Record	Coordinate sequence	~100 KB/event	Yes	Device local / cloud (actively uploaded by the	Oldest records are automatically overwritten when on-device storage is full; the cloud copy is	App – Flight Records	Export GPX/KML via App	Delete the flight record; the cloud copy can be deleted via email / data request form or is cleared with

Data	Type of Data	Format	Estimated Volume	Capable of Generating Data Continuously and in Real-Time	Where the Data Is Stored	Duration of Data Retention	How the User May Access the Data	How the User May Retrieve the Data	How the User May Erase the Data
					user)	cleared with the account upon account deregistration			the account upon account deregistration

2. Related Service Data

The companion software for this product includes the mobile App (for activating and connecting devices, viewing flight time and flight tracks, and locating a lost drone), the PC application Studio (for footage editing), and Sync (for firmware updates and ticket log uploads). The related service data as defined in the Data Act mainly includes:

- Device activation: This product must be activated and connected via the App before it can fly. Since activation is a prerequisite for the product to be usable, the data generated by device activation constitutes related service data.
- Firmware updates: Firmware updates for this product can be performed via the App, Vision Goggles, and Sync. When you use these channels to perform services that affect product functionality, such as firmware updates for the drone, Vision Goggles, and Grip Motion Controller, information related to the above operations is generated during the provision of the service.

Data	Type of Data	Nature	Format	Purpose of Data Use	Estimated Volume	Collection Frequency	Capable of Generating Data Continuously and in Real-Time	Where the Data Is Stored	Duration of Data Retention	How the User May Access the Data	How the User May Retrieve the Data	How the User May Erase the Data	Whether Third Parties Will Be Allowed to Use the Data
Device Binding Record	Device Management Data	Time of binding/unbinding the drone, Vision Goggles, and Grip Motion Controller to/from the account	Timestamp	Device management	~50 B/event	Event-driven	No	Device local / cloud (actively uploaded by the user)	Account lifetime	Apply via email / data request form	Apply via email / data request form to obtain	Apply via email / data request form to delete	Yes
Device Activation Data	Device Data	First activation time / serial number / IP of the drone, Vision Goggles, and Grip Motion Controller	JSON	Device management and after-sales	~100 B/event	Upon first device activation	No	Device local / cloud (actively uploaded by the user)	Device lifecycle	Apply via email / data request form	Apply via email / data request form to obtain	Apply via email / data request form to delete	Yes
Wi-Fi	Network	Saved Wi-Fi	String	Network	~50 B	Upon user	No	App	Until the	Apply	Apply	Apply via	Yes

Data	Type of Data	Nature	Format	Purpose of Data Use	Estimated Volume	Collection Frequency	Capable of Generating Data Continuously and in Real-Time	Where the Data Is Stored	Duration of Data Retention	How the User May Access the Data	How the User May Retrieve the Data	How the User May Erase the Data	Whether Third Parties Will Be Allowed to Use the Data
Network Configuration	Configuration Data	SSID		connection		configuration		local / cloud	network is deleted	y via email / data request form	via email / data request form	email / data request form	
App GPS Location	Sensor Data	App/mobile GNSS latitude and longitude	Numeric (degrees)	Identify the current location and locate the drone	~24 B/sample	1–10 Hz	Yes	Device local / cloud (actively uploaded by the user)	Oldest records are automatically overwritten when on-device storage is full; the cloud copy is cleared with the account	Apply via email / data request form	Apply via email / data request form to obtain	Delete locally; the cloud copy can be deleted via email / data request form or is cleared with the account upon account deregistration	Yes

Data	Type of Data	Nature	Format	Purpose of Data Use	Estimated Volume	Collection Frequency	Capable of Generating Data Continuously and in Real-Time	Where the Data Is Stored	Duration of Data Retention	How the User May Access the Data	How the User May Retrieve the Data	How the User May Erase the Data	Whether Third Parties Will Be Allowed to Use the Data
									upon account deregistration			ion	
Firmware Update Record	Update Record	Version, time, and status of firmware updates for the drone, Vision Goggles, and Grip Motion Controller	JSON	Maintenance management	~500 B/event	Event-driven	No	Device local / cloud (actively uploaded by the user)	Retained permanently	Apply via email / data request form	Apply via email / data request form to obtain	Clear local data via factory reset; the cloud copy can be deleted via email / data request form	Yes
Sync Firmware Update Record	Update Record	Version, time, and status of firmware updates for the drone,	JSON	Maintenance management	~500 B/event	Event-driven	No	Sync local / cloud (actively	Retained permanently	Apply via email / data request	Apply via email / data request	Clear local data via factory reset; the cloud	Yes

Data	Type of Data	Nature	Format	Purpose of Data Use	Estimated Volume	Collection Frequency	Capable of Generating Data Continuously and in Real-Time	Where the Data Is Stored	Duration of Data Retention	How the User May Access the Data	How the User May Retrieve the Data	How the User May Erase the Data	Whether Third Parties Will Be Allowed to Use the Data
		Vision Goggles, and Grip Motion Controller						uploaded by the user)		st form	t form to obtain	copy can be deleted via email / data request form	