

DBLink

REMOTE CONTROL // LIVE MONITORING // FULL RECORDING

DBLINK OPERATOR CONSOLE

● BACKEND Connected
ADMIN
→
⚙️

▶

0:00:16 / 0:00:36 2026-09-02 10:52:12

✕

LIVE VIDEO

📷

🕒

📺

CONTROL & TELEMETRY

SELECT CONTROLLER

- none -

LAYOUT

Default

CAP

- none

START FLYING

2ms

BATTERY

58%

ALTITUDE

16m

SPEED

0.1m/s

HEADING

101°

TELEMETRY DATA live

BATTERY

58%

BATTERY VOLTAGE

7.16 V

BATTERY CURRENT

-0.31 A

BATTERY TEMP

47.5°C

CONTROL UNITS

Profile: DJI-FPV-3

Servo X [3]: 0.00 (-0.63/0.68)

Y [2]: 0.00 (-0.01/0.04)

Servo X [0]: 0.00 (-0.61/0.60)

Y [1]: 0.00 (-0.61/0.79)

0.00

0.00

0.00

0.00

0.00

0.61

0.00

0.00

LOG

All

module

All

message

FILTER

DATE	SOUF	TYPE	MODULE	CU	ACTOR	MESSAGE
02/09/2026	link	info	link	-	admin	video source selected: dji-goggles
02/09/2026	link	info	link	-	admin	video source deselected
02/09/2026	joy	info	joy	1	-	manual control started
02/09/2026	hub	info	joyd	1	admin	manual control stopped
02/09/2026	hub	info	fsu	1	-	auto recording stopped
02/09/2026	joy	info	link	-	admin	video source selected: dji-goggles
02/09/2026	bob	info	joy	1	-	manual control elected
02/09/2026	hub	info	joyd	1	admin	manual control stopped
02/09/2026	hub	info	recrd	1	-	auto recording started



AI-READY DATA



SAME
SKIES
MORE
POSSIBILITIES

OPERATIONAL WORKFLOW

HOW DBLINK WORKS

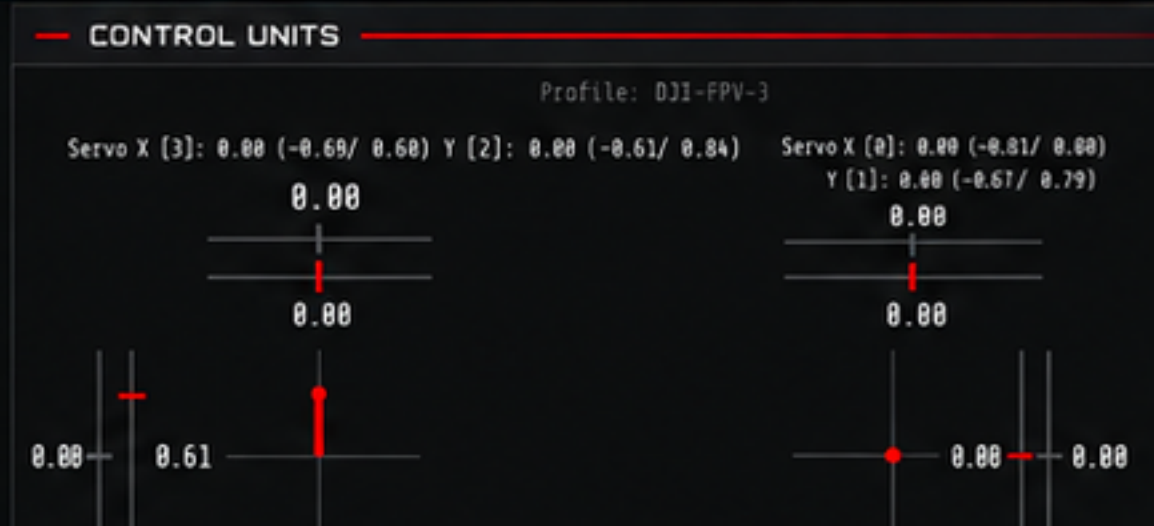
01 CONNECT

DBLink attaches to existing video, telemetry, and controller paths.



02 CONTROL

Pilot Users do the flying through supported control paths with safety gates and abort / make-safe controls. Observers provide extended line of sight and may abort if required.



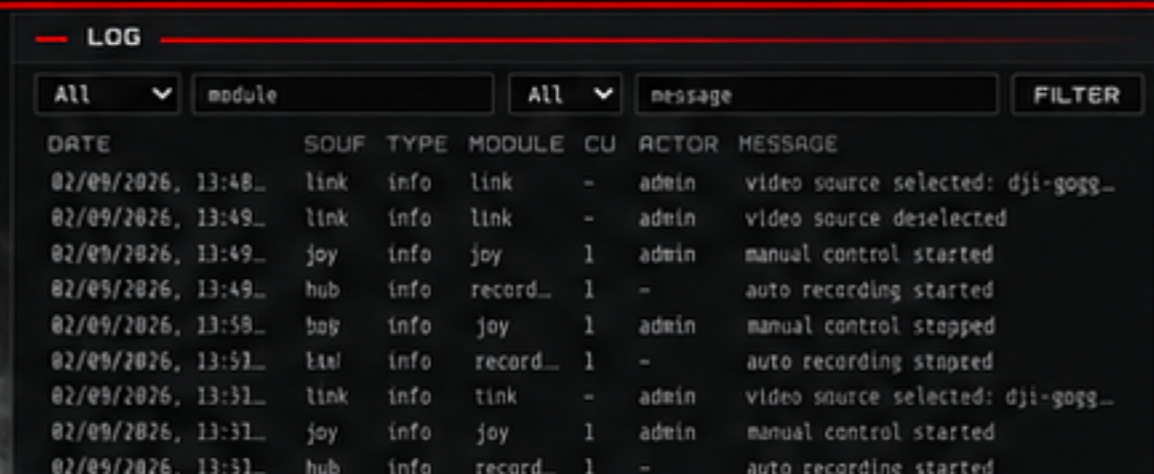
03 MONITOR

Live video, telemetry, aircraft state, and system status are shown together in one monitored view.



04 RECORD

Video, telemetry, commands, control inputs, logs, and user actions are captured as a synchronized record for replay, review, and AI dataset creation.



TRUSTED
FLEXIBLE
REAL-WORLD
READY

CUSTOMER BENEFITS

BUILT FOR SUPERVISED OPERATIONS



PILOT USERS

Do the flying.



OBSERVERS

Extended line of sight;
observe operations in direct
line of sight; may abort an
operation if required.



SUPERVISORS

Approve or reject
actions.



SPECTATORS

Spectate remotely.



Secure authenticated connections using continuously refreshed short-lived access tokens.

DBLINK OPERATOR CONSOLE

BACKEND Connected ADMIN

0:00:18 / 0:00:36 2026-09-02 18:52:122

LIVE VIDEO

2h 18min
NO Storage
2.3m/s
H 16m D 26m
50 05'10" 90%

CONTROL & TELEMTRY

SELECT CONTROLLER: none LAYOUT: Default CRP: none START FLYING 2ms

BATTERY: 58% ALTITUDE: 16m SPEED: 0.1m/s HEADING: 101°

TELEMTRY DATA Live

BATTERY: 58%
BATTERY VOLTAGE: 7.16 V
BATTERY CURRENT: -0.31 A
BATTERY TEMP: 47.5°C

CONTROL UNITS

Profile: DJI-FPV-3
Servo 1 (3): 0.00 (-0.60/ 0.60) Y (2): 0.00 (-0.61/ 0.64) Servo 2 (0): 0.00 (-0.81/ 0.80) Y (1): 0.00 (-0.67/ 0.79)

LOG

DATE	SOURCE	TYPE	MODULE	CU	ACTOR	MESSAGE
02/09/2026, 13:48..	link	info	link	-	admin	video source selected: dji-gps...
02/09/2026, 13:48..	link	info	link	-	admin	video source deselected
02/09/2026, 13:49..	joy	info	joy	1	admin	manual control started
02/09/2026, 13:49..	hub	info	record..	1	-	auto recording started
02/09/2026, 13:49..	joy	info	joy	1	admin	manual control stopped
02/09/2026, 13:51..	hub	info	record..	1	-	auto recording started
02/09/2026, 13:51..	link	info	link	-	admin	video source selected: dji-gps...
02/09/2026, 13:51..	joy	info	joy	1	admin	manual control started



REMOTE FLIGHT ROOM

Place the DBLink node where
aircraft RF/video coverage is
strongest while the pilot user
works over the network.



MIXED DRONE ECOSYSTEMS

Use familiar low-cost drones
and supported control paths
across DJI, FPV, and other
supported ecosystems.



COMPLETE OPERATION RECORDING

Replay synchronized video,
telemetry, commands, control
inputs, logs, and user actions
for audit, training, and AI
model development.



INTEGRATION-READY

API-first architecture with
a CoT / SAPIENT integration
path for external workflows.

DJI PATHS

CRSF / ELRS

HDMI / USB-C VIDEO

API-FIRST

CoT / SAPIENT PATH

DBLink // REMOTE DRONE OPERATIONS PLATFORM

01 | SYSTEM OVERVIEW

DBLink is a modular browser-based platform for supervised drone operations. It brings live video, telemetry, control, recording, and user roles into a monitored workflow. It is designed to work with mixed drone ecosystems, including DJI and FPV paths, enabling practical low-cost deployments and VLOS programmatic-control testing with lightweight aircraft.

SUPERVISED WORKFLOW

LIVE VIDEO + TELEMETRY

MIXED DRONE ECOSYSTEMS

AI-READY DATA

02 | KEY FEATURES

- Browser-based operator console
- Live video and telemetry
- Pilot / observer / supervisor workflow
- Full operation recording
- Synchronized data for AI training
- Mixed drone ecosystem support
- Safety-gated command flow
- Integration-ready architecture

03 | DEPLOYMENT MODEL

Place the DBLink node where aircraft RF/video coverage is strongest. Pilot users, observers, supervisors, and spectators can participate through a monitored and supervised network workflow while supporting aircraft/controller paths remain local.

CO / C1 TEST OPERATIONS

Practical VLOS testing of programmatic control using lightweight drones with established onboard safety systems, where aircraft and deployment satisfy applicable requirements.

04 | TECHNICAL CHARACTERISTICS

System type	Remote drone operation, monitoring, and recording platform
User roles	Pilot Users, Observers, Supervisors, Spectators
Video	Live feed ingestion from supported drone / capture paths
Telemetry	DJI / CRSF / ELRS / external-source architecture depending on platform
Recording	Video, telemetry, commands, control inputs, logs, user actions
Mixed ecosystems	DJI, FPV, and other supported paths
Use case	Supervised remote operations and VLOS programmatic-control testing
Integration	API-first, CoT / SAPIENT integration path
Deployment	Local node at RF/video coverage point, remote users over network

05 | SAFETY + GOVERNANCE



Pilot authority
is preserved.



Observers provide extended
line of sight and may abort
if required.



Recorded operations support
review, audit, training, and
AI model development.

06 | MANUFACTURER

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REMOTE DRONE
OPERATIONS PLATFORM