

ASDT 2026

Presentation



ASDT Corporation

Creating safe spaces

A company dedicated to the protection of airspaces against drones, with a consolidated national and international presence and solid experience in the sector. We specialize in the design, manufacture, and deployment of anti-drone systems. These systems are powered by our cutting-edge proprietary technology, SENDES, the backbone of the system currently operated by SIGLO CD. The state has been using our system for over six years.

ASDT Corporation S.L., headquartered on Paseo de la Castellana in Madrid, provides protection solutions across four major areas, covering more than 20 specializations and sectors:

- **Sovereignty:** Defense and armed forces, public security, correctional facilities, borders, and conflict zones.
- **Critical Infrastructure:** Refineries, nuclear power plants, power stations, ports and airports, and railway stations.
- **Operations:** Logistics, production centers, sports stadiums, corporate headquarters, and institutional buildings.
- **Events and Heritage:** Official ceremonies, heritage and tourist sites, trade fairs and congresses, and VIP events.



ASDT CORPORATION is part of a group of companies that has been delivering advanced anti-drone systems and services since 2017, offering a full range of solutions:

- Autonomous and portable systems for rapid deployment
- Stationary and remote installations for infrastructure protection
- Vehicle-integrated and modular connected platforms compatible with command and control systems

Our projects and clients include top-tier institutions such as SIGLO, the Royal Household, CNP, CNI, SES, the Civil Guard, Telefónica Ingeniería de Seguridad, Repsol, Santander, BBVA, La Liga, Prosegur, Iberdrola, SEAT, and the Sagrada Familia, among others, both in Spain and abroad.

Recognized among the national leaders in drone detection and neutralization, ASDT combines proprietary command and control software with cutting-edge hardware, delivering a unique solution that outperforms market alternatives and rivals the world's leading providers.

SENDES HD03

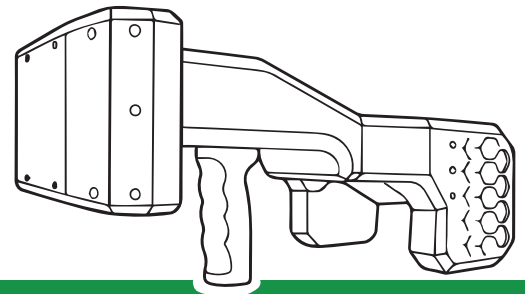
Handheld Directional Neutralization System

1. The Product

The SENDES HD03 is our handheld system for directional drone neutralization.

Lightweight, portable, and easy to operate, it is the ideal device for protecting airspace during temporary situations such as official visits, concerts, demonstrations, parades, or commercial events. Its innovative design, which moves away from the appearance of a conventional weapon, helps prevent panic or public alarm when used by security forces.

Furthermore, due to its versatility, the SENDES HD03 perfectly complements other neutralization systems, whether the stationary SENDES SJ or the portable SENDES SJ-Box.



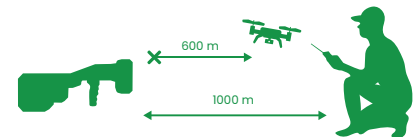
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The **SENDES HD03** is one of the safest, most efficient, and most versatile handheld neutralization systems on the market.

2. Performance

The performance of the SENDES HD03 depends on several factors:

- Technology and operating frequency of the drone to be neutralized
- Geographical conditions and terrain features
- Physical obstacles and shielding
- Frequency bands integrated in the SENDES HD03
- Distance between the drone, the operator, and the SENDES HD03



As a reference, under normal conditions, without shielding, and at a distance of 1,000 meters between the SENDES HD03 and the operator, the drone begins to be neutralized at approximately 600 meters from the neutralization system. This range is achieved with a directional antenna and power output of up to 20 W per neutralization channel, positioning the SENDES HD03 as one of the safest, most efficient, and most versatile handheld neutralization systems on the market.



neutralization

The SENDES HD03 simultaneously neutralizes the control and GNSS frequencies used by unmanned aerial systems.

It operates in the 1.6, 2.4, 5.2, and 5.8 GHz bands, ensuring effective signal suppression.

It allows the neutralization of manually operated, autonomous, and swarm-forming drones.



minimal interference

Developed by our R&D team, this neutralization technology stands out for its ability to mitigate drone threats without interfering with nearby electronic systems.

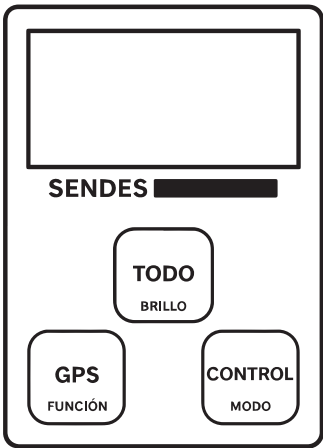
It keeps WiFi, Bluetooth, and radio communications in the 2.4 GHz and 5.8 GHz bands operational during neutralization.

It ensures the safety and continuity of critical systems in sensitive environments.

3. Simplicity: three buttons

Designed for quick and effective use, the SENDES HD03 features a power button and only three operation buttons:

- CONTROL: Neutralizes the drone’s control transmission on the 2.4 GHz, 5.2 GHz, and 5.8 GHz frequencies.
- GPS: Blocks the GNSS satellite reception signal at the 1.6 GHz frequency.
- ALL: Activates all neutralization channels simultaneously.



4. Offline operation

Unlike the systems that are part of the SENDES Ecosystem, the SENDES HD03 is designed to operate exclusively in offline mode, without an Internet connection.

This ensures that the SENDES HD03 does not share information with other detection or neutralization devices, providing an additional layer of security.

Countermeasures are activated solely in manual mode, eliminating the possibility of automatic or remote activation — a feature available in other systems such as the SENDES SJ or the SENDES SJ-Box.

5. Customization

To meet the most demanding technical requirements, the SENDES HD03 allows an additional level of customization by integrating a fifth and sixth neutralization band.

This expands the available bands to 900 MHz and 1.2 GHz, enhancing its capability to counter a variety of threats in critical environments.

Product	Handheld system for directional drone neutralisation
Technology	Selective neutralisation of drone operational
Dimensions	450 x 190 x 190 mm (L x W x H)
Weight (approx.)	3.5 kg
Neutralisation bands	1.6 GHz, 2.4 GHz, and 5.8 GHz, by default. 5.2 GHz frequency band available as an add-on option
Consumption	Up to 40 W / band
Power output	Up to 20 W / band
Effective distance*	< 600 m (pilot at 1.000m)
Antenna (approx.)	Directional 50-90° x 15-50° (H x V) with gain between 7-15 dBi / band
Battery amperage	5.5 A
Battery voltage	29.6 V
Autonomy	> 3 hours on stand-by (exchangeable battery)
IP rating	IP54
Operating temperature	-20°C a +55°C
Activation	Manual
Operation	Isolated mode (with no connection to the SENDES Ecosystem)

SENDES SJ BOX

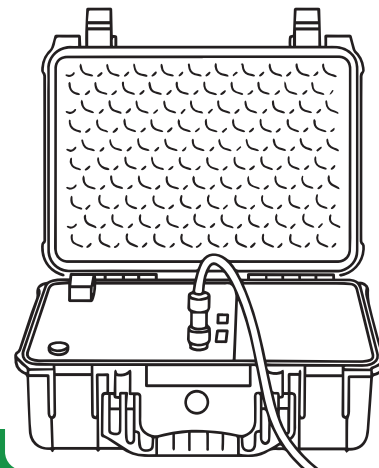
Portable Drone Neutralization System

1. The Product

The SENDES SJ-Box is our portable drone neutralization system, designed to deliver capabilities and performance comparable to the SENDES SJ-360 in a compact format.

This device, portable and housed in an IP55-certified protective case, provides up to 3 hours of continuous operation thanks to its internal battery — or unlimited operation when connected to the power grid.

Due to its design and technical features, the SENDES SJ-Box is ideal for protecting airspace during temporary events such as official visits, concerts, demonstrations, parades, and trade fairs. It also complements other neutralization systems such as the SENDES SJ (stationary) and the SENDES HD03 (handheld).



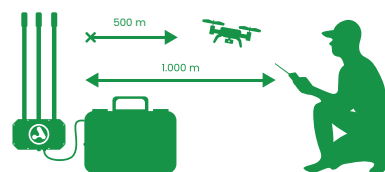
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The **SENDES SJ Box** is one of the safest, most efficient, and most versatile portable neutralization systems on the market.

2. Performance

The performance of the SENDES SJ-Box varies according to several factors:

- Geographic and topographic conditions of the environment
- Physical obstacles and shielding
- Frequency bands integrated into the SENDES SJ-Box
- Drone technology and frequency
- Distance between drone and system



As a reference, under normal conditions and without shielding, the SENDES SJ-Box can neutralize drones at approximately 500 meters, with a distance of 1,000 meters between the system and the operator. These specifications, achieved with omnidirectional antennas and 20 W per channel, position the system as one of the safest, most efficient, and most versatile solutions on the market.



neutralization

The SENDES SJ-Box neutralizes drone control frequencies and GNSS signal bands.

It operates in the 400 MHz, 900 MHz, 1.2–1.6 GHz, 2.4 GHz, 5.2 GHz, and 5.8 GHz ranges.

Thus, the SENDES SJ can disable both manually operated and autonomous drones, even in swarm formations, providing full control across various scenarios.



minimal interference

Thanks to the work of our R&D team, our neutralization technology mitigates drone threats without affecting nearby electronic systems that use ISM frequencies. Technologies such as radio, WiFi, or Bluetooth (2.4 and 5.8 GHz) remain virtually unaffected.

This innovation ensures the safety and continuity of critical systems in sensitive environments, without interfering with essential communications.

SENDES SJ

Stationary Drone Neutralization System

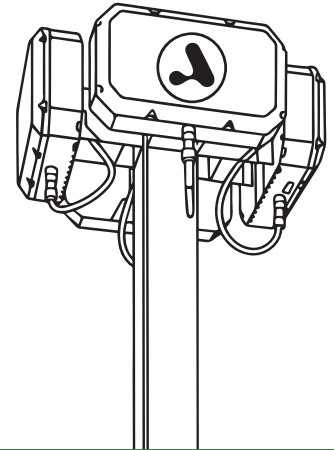
1. The Product

The SENDES SJ is our stationary system for drone neutralization in critical environments. It is available in two models depending on control needs and radiation angle:

- **SJ-360:** Omnidirectional coverage (360°).
- **SJ-90:** Directional coverage of 90° in four directions.

This system stands out for its versatility, modular design, and ease of installation, allowing it to be mounted on masts, rooftops, towers, or rapid-deployment tripods.

With an IP55 protection rating, the SENDES SJ provides exceptional resistance to adverse weather conditions, making it the ideal solution for airspace protection in critical infrastructures — including airports, ports, prisons, nuclear plants, refineries, and government buildings.



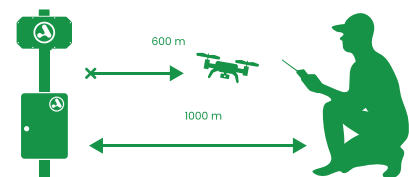
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The **SENDES SJ** is one of the safest, most efficient, and most versatile neutralization systems on the market

2. Performance

The performance of the SENDES SJ varies according to several factors, such as:

- Geographic and topographic conditions of the environment
- Physical obstacles and shielding
- Drone technology and frequency
- Distance between the drone, the operator, and the SENDES SJ
- Frequency bands integrated into the SENDES SJ



Under normal conditions and without shielding, the SENDES SJ can neutralize drones at approximately 600 meters with a directional antenna (SJ-90) and around 500 meters with an omnidirectional antenna (SJ-360), both with 20 W per channel. Thanks to this performance, the system stands out as a safe, efficient, and versatile solution for protecting airspace in critical infrastructures.



neutralization

The SENDES SJ neutralizes both drone control frequencies and GNSS signals, covering bands from 400 MHz to 5.8 GHz. This wide coverage allows it to counter manual, autonomous, and swarm drones effectively.



Minimal interference

Thanks to our R&D, our neutralization technology minimizes drone threats without affecting systems operating on ISM frequencies, such as Wi-Fi or Bluetooth (2.4 and 5.8 GHz), ensuring the safety and continuity of critical communications during operation.

3. Sendes ecosystem

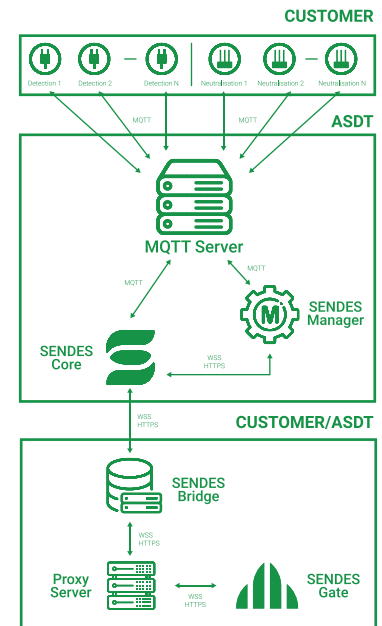
To ensure comprehensive anti-drone protection, it is essential to implement complementary –and sometimes redundant– systems, while minimizing any type of interference or shielding.

To achieve this, the SENDES Ecosystem enables:

- Integration of multiple detection and/or neutralization systems.
- Real-time coordination between all systems.
- Continuous and seamless communication between all devices and the server.

Thanks to this architecture, when a drone is detected, detection systems send key data (serial number, position, altitude, operator location) to the SENDES Ecosystem, which processes it in real time and displays it via the intuitive SENDES Gate interface.

For the SENDES SJ-Box, the ecosystem enables remote (via SENDES Gate), automatic (by flight parameters), or manual activation (through the case controls, even offline).



4. Security

All information captured, together with the actions executed through SENDES technology, is securely stored on the SENDES Ecosystem servers. We offer two infrastructure options depending on client requirements:

- **On-Premise:** Data is hosted on local servers, ensuring complete control over information.
- **SaaS:** ASDT secures and manages the infrastructure, ensuring safe remote access.

	SENDES SJ-90	SENDES SJ-360
Product	Stationary system for drone neutralisation	
Technology	Selective neutralisation of drone operational radiofrequencies	
Dimensions	Cabinet: 300 x 150 x 400 mm (L x W x H) Directional antenna: 312 x 67 x 198 mm (L x W x H) Cables: Up to 12 m in length	Omnidirectional antenna: 312 x 67 x 798 mm (L x W x H) Cables: Up to 12 m in length
Weight (approx.)	Cabinet: 9 kg Antenna: 5kg / sector Cable: 160 g / m / sector	Cabinet: 9 kg Antenna: 5 kg Cable: 160 g / m
Installation	Stationary on mast, on rooftop, on tower or on quick deployment tripod	
Neutralisation bands	1.6 GHz, 2.4 GHz, and 5.8 GHz, by default. 5.2 GHz frequency band available as an add-on option	1.6 GHz, 2.4 GHz, and 5.8 GHz, by default. 400 MHz, 900 MHz, 1.2 GHz, 1.4 GHz and 5.2 GHz frequency bands available as an add-on option
Consumption	Standard version: up to 40 W / band Advanced version: up to 90 W / band	
Power output	Standard version: up to 20 W / band Advanced version: up to 50 W / band	
Effective distance*	Standard version: < 600 m (pilot at 1.000m) Advanced version: < 800 m (pilot at 1.000m)	Standard version: < 500 m (pilot at 1.000m) Advanced version: < 700 m (pilot at 1.000m)
Antenna (approx.)	Directional 50-90° x 15-50° (H x V) with gain between 7-15 dBi / band	Omnidirectional with gain between 1-5 dBi / band
Power	220-240 VAC	
Connectivity	Ethernet RJ45 (fixed IP) and/or 3G / 4G LTE	
IP rating	IP55	
Operating temperature	-20°C α +55°C	
Activation	Remote (using the SENDES Gate interface) and/or automatic	
Operation	SENDES Ecosystem	

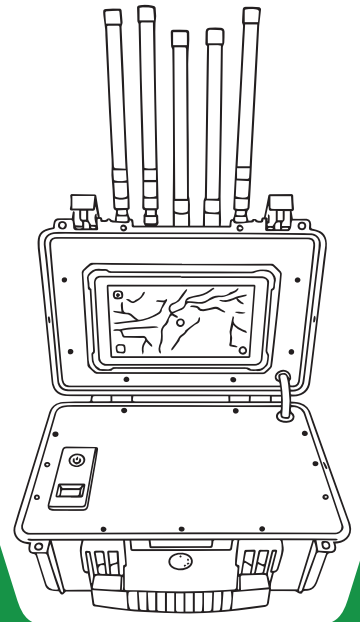
SENDESCOPE

Portable Drone Detection System

1. The Product

The SENDESCOPE is our portable system designed for drone detection, identification, and tracking. Integrated into a rugged and durable case, its compact and lightweight design allows for efficient and rapid deployment within minutes. With IP65 protection (closed), an approximate weight of 15 kg, and up to 4 hours of continuous operation, it is the ideal solution for monitoring airspace during events or temporary situations. It is designed exclusively for temporary deployments and is not suitable for use as a stationary system.

Furthermore, the SENDESCOPE is designed to operate independently without requiring an internet connection. It includes an integrated tablet displaying real-time detection data. Additionally, it can be integrated into the SENDES Ecosystem via 3G/4G LTE or Ethernet RJ45, playing a key role in larger deployments by enhancing detection coverage.



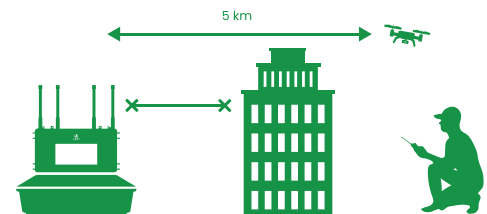
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The **SENDESCOPE** is a portable, simple, and quick-deployment system.

2. Performance

The performance of the SENDESCOPE varies depending on several factors, such as:

- Terrain characteristics
- Physical obstacles or shielding
- Electromagnetic interference in the environment
- Technology and operating frequency of the drone
- Detection modules integrated into the SENDESCOPE



Under optimal conditions, without interference or shielding, the SENDESCOPE can detect drones up to 5 km away, ensuring broad and reliable coverage for most temporary deployments.



Detection

The SENDESCOPE detects drones operating with Lightbridge and OcuSync (2.4/5.8 GHz) protocols, as well as RemoteID (2.4 GHz).

Thanks to its modular design, a full version adds detection for WiFi (2.4 GHz), ADS-B (1,090 MHz), and RF signals in 900, 1,400, 2,400, and 5,800 MHz bands.



Real-time information

The information captured by the SENDESCOPE is transmitted in real time to the SENDES Core, providing critical data such as:

- Drone make and model
- Flight controller serial number
- Coordinates of the drone, pilot, and take-off point
- Communication protocol

3. Sendes ecosystem

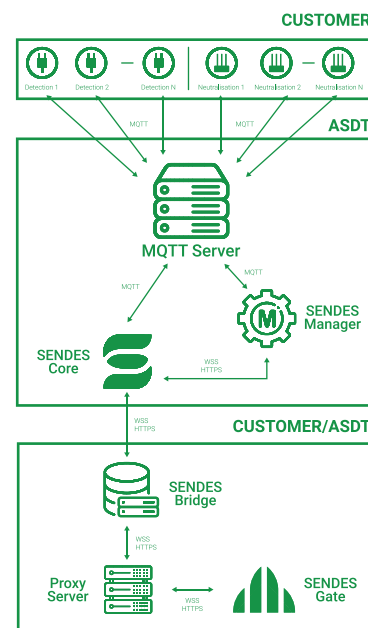
To ensure comprehensive anti-drone protection, it is essential to implement complementary –and sometimes redundant– systems, while minimizing any type of interference or shielding.

To achieve this, the SENDES Ecosystem enables:

- Integration of multiple detection and/or neutralization systems.
- Real-time coordination between all systems.
- Continuous and seamless communication between all devices and the server.

Thanks to this architecture, when a drone is detected, detection systems send key data (serial number, position, altitude, operator location) to the SENDES Ecosystem, which processes it in real time and displays it via the intuitive SENDES Gate interface.

For the SENDES SJ-Box, the ecosystem enables remote (via SENDES Gate), automatic (by flight parameters), or manual activation (through the case controls, even offline).



4. Security

All information captured, together with the actions executed through SENDES technology, is securely stored on the SENDES Ecosystem servers. We offer two infrastructure options depending on client requirements:

- **On-Premise:** Data is hosted on local servers, ensuring complete control over information.
- **SaaS:** ASDT secures and manages the infrastructure, ensuring safe remote access.

Product	Portable system for drone detection, identification and tracking
Technology	Real-time radiofrequency decoding and communication decryption
Dimensions	430 x 330 x 250 mm (L x W x H)
Weight (approx.)	14 – 16 kg, depending on the number of modules
Detection modules	Standard version: DJI at 2.4 and 5.8 GHz (Lightbridge and OcuSync protocols) and Remote ID at 2.4 GHz Full version: DJI at 2.4 and 5.8 GHz (Lightbridge and OcuSync protocols), Remote ID at 2.4 GHz, WiFi at 2.4 GHz, ADS-B at 1.090 MHz and RF at 900, 1.400, 2.400 and 5.800 MHz
Effective distance	DJI: Up to 5 km (in optimal conditions) Remote ID: Up to 2 km (in optimal conditions) WiFi: Up to 500 m (in optimal conditions) ADS-B: Up to several tens of km (in optimal conditions) RF: Up to 600 m (in optimal conditions)
Antenna	Omnidirectional
Battery amperage	6 A
Batter voltage	33.6 V
Power	220-240 VAC or 12 VDC (power inverter required)
Autonomy	4 hours in stand-by (internal battery) or permanent (240 VAC)
Power consumption	70 W (max.)
Connectivity	Ethernet RJ45 (dynamic IP) and/or 3G / 4G LTE
IP rating	IP65 (when closed)
Operating temperature	-20°C a +55°C
Operation	SENDES Ecosystem and/or isolated mode (using an integrated tablet)

SENDES DAU

Stationary drone detection system

1. The Product

The SENDES DAU is our stationary system designed for the detection, identification, and tracking of drones. This system stands out for its versatility and modular design, allowing flexible installation in various configurations such as masts, rooftops, towers, or quick-deployment tripods, providing a detection range of up to 10 km under optimal conditions.

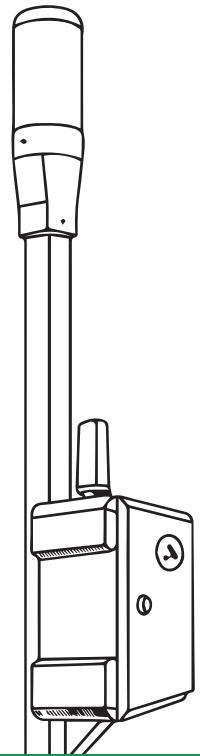
With IP55 protection, the SENDES DAU offers superior resistance to harsh weather conditions, making it the ideal solution for aerial protection of critical infrastructures such as airports, ports, prisons, nuclear plants, refineries, and government buildings.

2. Performance

The SENDES DAU's performance varies depending on several factors, such as:

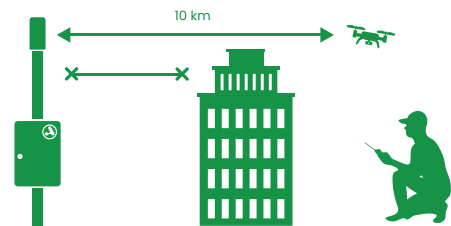
- Terrain characteristics
- Physical obstacles or shielding
- Electromagnetic interference in the environment
- Technology and operating frequency of the drone
- Detection modules integrated into the SENDES DAU

Under optimal conditions, with no interference or obstructions, the SENDES DAU can detect drones up to 10 km away from its location, ensuring broad and reliable coverage.



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The **SENDES DAU** is a versatile, modular, and easy-to-install system.



Detection

In its standard version, the SENDES DAU can detect drone flights operating with Lightbridge and OcuSync protocols (DJI proprietary technologies operating at 2.4 and 5.8 GHz) as well as Remote ID (an open-source technology compliant with European and North American regulations, operating mainly at 2.4 GHz). However, thanks to its modular architecture, a “full” version is also available, which includes additional detection capabilities for other technologies such as Wi-Fi (2.4 GHz), ADS-B (1,090 MHz), and Radio Frequency (RF) in 900, 1,400, 2,400, and 5,800 MHz bands.



Real-time information

The information collected by the SENDES DAU is transmitted in real time to the SENDES Core, where it is processed and analyzed to provide detailed situational awareness. This data includes:

- The make and model of the detected drone
- The serial number of the flight controller
- The coordinates of the drone, its operator, and the communication protocol in use

This comprehensive information enables operators to identify, classify, and respond to potential threats quickly and effectively, ensuring enhanced airspace security.

3. Sendes ecosystem

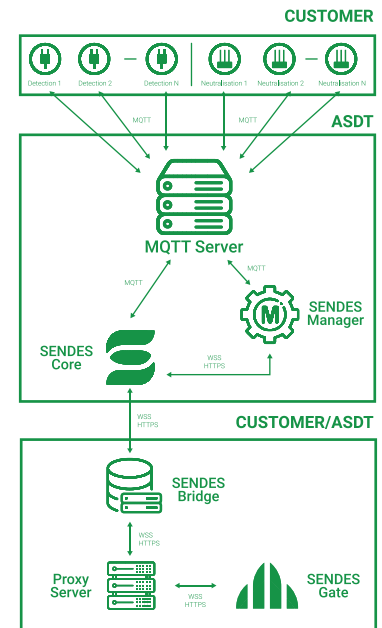
To ensure comprehensive anti-drone protection, it is essential to implement complementary –and sometimes redundant– systems, while minimizing any type of interference or shielding.

To achieve this, the SENDES Ecosystem enables:

- Integration of multiple detection and/or neutralization systems.
- Real-time coordination between all systems.
- Continuous and seamless communication between all devices and the server.

Thanks to this architecture, when a drone is detected, detection systems send key data (serial number, position, altitude, operator location) to the SENDES Ecosystem, which processes it in real time and displays it via the intuitive SENDES Gate interface.

For the SENDES SJ-Box, the ecosystem enables remote (via SENDES Gate), automatic (by flight parameters), or manual activation (through the case controls, even offline).



4. Security

All information captured, together with the actions executed through SENDES technology, is securely stored on the SENDES Ecosystem servers. We offer two infrastructure options depending on client requirements:

- **On-Premise:** Data is hosted on local servers, ensuring complete control over information.
- **SaaS:** ASDT secures and manages the infrastructure, ensuring safe remote access.

Product	Stationary system for drone detection, identification and tracking
Technology	Real-time radiofrequency decoding and communication decryption
Dimensions	Cabinet: 400 x 208 x 600 mm (L x W x H) Antenna: 200 x 400 mm (D x H) LMR400 Cables: Up to 4 m in length
Weight (approx.)	Cabinet: 18 kg Antenna: 4 kg Cable: 100 g/m
Installation	Stationary on mast, on rooftop, on tower or on quick deployment tripod
Detection modules	Standard version: DJI at 2.4 and 5.8 GHz (Lightbridge and OcuSync protocols) and Remote ID at 2.4 GHz Full version: DJI at 2.4 and 5.8 GHz (Lightbridge and OcuSync protocols), Remote ID at 2.4 GHz, WiFi at 2.4 GHz, ADS-B at 1.090 MHz and RF at 900, 1.400, 2.400 and 5.800 MHz
Effective distance	DJI: Up to 10 km (in optimal conditions) Remote ID: Up to 4 km (in optimal conditions) WiFi: Up to 800 m (in optimal conditions) ADS-B: Up to several tens of km (in optimal conditions) RF: Up to 1.000 m (in optimal conditions)
Antenna	Omnidirectional
Power	220-240 VAC or 12 VDC (power inverter required)
Power consumption	70 W (max.)
Connectivity	Ethernet RJ45 (fixed IP) and/or 3G / 4G LTE
IP rating	IP55
Operating temperature	-20°C a +55°C
Operation	SENDES Ecosystem

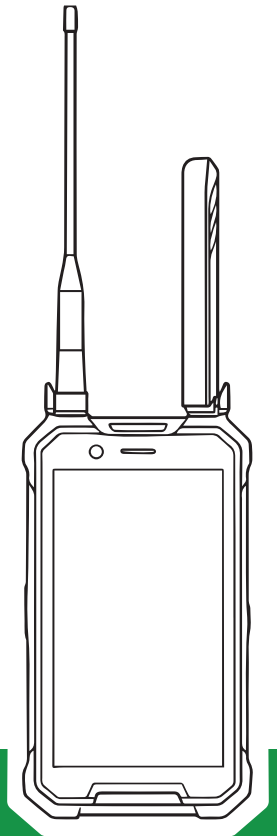
SENDES POCKET *(Coming soon)*

Portable Drone Locator

1. The Product

The SENDESPOCKET is an ultra-portable RF drone detector, contained in a compact 185x80x33 mm design and weighing only 650 g. It can detect, identify, and locate more than 900 drone models, including FPV types (with the ability to receive video transmissions from some of them) and DIY drones.

ASDT provides this device with an exclusive implementation that enables the system to decrypt DJI OcuSync frames (version 4 among others), giving it a unique functionality compared to other systems of its kind on the market.



2. Product description

The SENDES Pocket features the following characteristics:

- Operating mode: Passive RF detection, non-emitting.
- Frequency range: 70 MHz – 6 GHz.
- Battery life: 3–4 hours of continuous operation.
- Display: 6" screen for data visualization.
- Dimensions and weight: 185 × 80 × 33 mm, 650 g.
- Video demodulation: FPV signal interception.
- Blacklist/Whitelist: Identification of friendly or hostile drones.
- Swarm capability: Detection of 10–15 drones simultaneously.
- Detection range: Up to 2–3 km depending on environment and drone type

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The **SENDES Pocket** is a portable, ultra-light, and highly efficient system.

Its passive operation ensures discreet and secure performance, allowing action without being detected.



Detection

The SENDES Pocket incorporates an advanced passive radio frequency (RF) detection system capable of identifying signals emitted by drones across a wide frequency range, from 70 MHz to 6 GHz.

Thanks to its intelligent reception architecture, the device detects, analyzes, and classifies control, telemetry, and video transmissions from different drone models without emitting any signal.

Its passive operation ensures discreet and secure performance, allowing action without being detected.



Real-time information

The information captured by the SENDESPOCKET is transmitted in real time to the SENDES Core, providing critical data such as:

- Drone brand and model
- Flight controller serial number
- Coordinates of the drone, pilot, and point of origin
- Drone speed and altitude
- Communication protocol

This ensures comprehensive situational awareness and supports efficient threat response.

Distinctive Aspects

1. Inhibition and Detection Devices

Based on independent and scalable modules, the basic equipment consists of:

- Basic RF module, with RF footprint library
- Specific module for DJI drones, with local decoding of DJI O4
- ADSB module
- Remote ID module
- S-Link

Additionally, we can add:

- Sectorial RF module with 45° sectors
- Sectorial RF module with 27° sectors
- Advanced S-Link for third-party device integration via API

By default, they consist of four scalable ISM frequencies with no limit. The basic system includes:

- Digital DSS and amplifier for GPS, Glonass, and Galileo
- Digital DSS and amplifier for 2400 WIMAX and OFDM
- Digital DSS and amplifier for 5200
- Digital DSS and amplifier for 5300

Additionally, we can add:

- Digital DSS and amplifier for 400
- Digital DSS and amplifier for 900
- Digital DSS and amplifier for 1200
- Open Digital DSS and amplifier to neutralize at the selected frequency

The neutralization systems are adjustable and selective, capable of neutralizing with a bandwidth from 10 to 100 MHz. Each module operates with its own independent antenna and does not generate harmonics. They can be omnidirectional or sectorial.

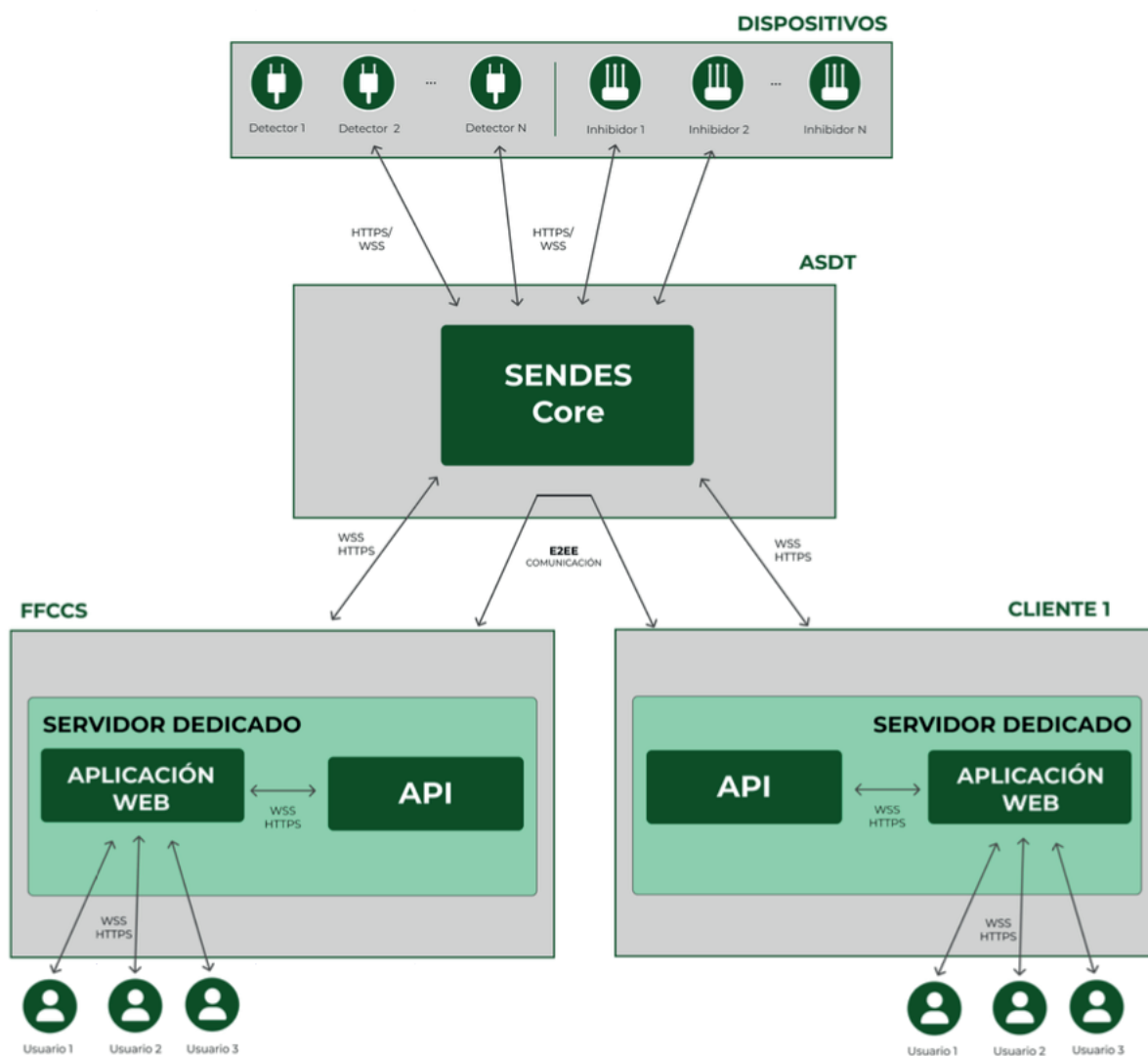
In case of malfunction, only the damaged module can be replaced. The systems are remotely operated via software, allowing adjustment of predefined parameters such as maximum neutralization time per module. They feature telemetry and real-time status monitoring.

All systems include active alarms and 4G backup. All detection and neutralization systems include APIs for integration with other systems. All devices are Multi-WebSocket, allowing each device to connect to different servers — for example, a client may have their own server while simultaneously sending all detections to law enforcement agencies.

2. Command and Control Software *Architecture and Functionalities*

The Command and Control (C2) Software enables complete auditing of logs, users, detections, and neutralization system activations. The system is available in the following deployment modes, adapted to each client's connectivity level and security requirements:

- Private Server: Server hosted within the client's infrastructure, with or without connection (isolated) to the ASDT network.
- Dedicated ASDT Network Server: Dedicated server for the client within the ASDT infrastructure.
- SaaS Mode: The client connects directly to the ASDT cloud service.



3. Integrations with Genetec and Milestone

The system includes native integrations with Genetec and Milestone, and offers an open API for functionalities such as:

- Data extraction from the database
- Real-time transmission of detections and events
- Aircraft registration and management
- Other customized integrations on demand

4. Interoperability and Collaboration Between Clients

ASDT enables interoperability between clients, allowing different installations to share detector information with nearby clients, enhancing joint detection and coverage capabilities while maintaining independent databases.

The system includes the i-Token functionality, which allows clients to generate a temporary token to share detector information with third parties — either for a limited period or under predefined intelligent conditions.

5. Custom Maps and Layers

The client can add their own GIS provider or custom map layers, such as approach charts or detailed plans. The system allows transparency adjustment and features an automatic scaling mode, ensuring precise visualization adapted to the operational environment.

6. Supervision and Control of Neutralization Systems

The system allows active supervision of neutralization activations by Law Enforcement Agencies (LEAs). If a user not belonging to the LEAs activates a neutralization system, the C2 sends an immediate notification to an authorized user, who can approve or reject the request.

Additionally, authorized servers can monitor and audit users created on unauthorized servers, ensuring centralized control and compliance with security protocols.

Technical Note: All communications related to inhibition requests and user management are routed through ASDT servers, located at ASDT's central facilities. ASDT acts as a secure link point between the different servers within the ecosystem, using end-to-end encrypted communication.

7. Aircraft Registration

The user can register their own aircraft within the system, classifying them as authorized, stolen, or medical, allowing the C2 to distinguish them from unknown or unauthorized drones.

8. Exclusion Zones and In-Air Data

The system implements a No-Fly Zone layer within the C2, with direct integration to ENAIRE's data services, the official airspace provider in Spain.

This integration allows real-time visualization of restricted or prohibited areas and automatically determines whether a drone can operate in a specific zone in accordance with current regulations.

9. Integration with SIGME

In addition to integrations with Genetec and Milestone, the system is capable of integrating with the SIGME platform, enabling the sending and receiving of alerts, events, and operational data in real time. This interoperability facilitates coordination with security forces and supports the centralized management of incidents in complex or multi-entity scenarios.

10. Pre-Programmed Flight Registration *("friend drones")*

The system will include a pre-programmed flight registration feature, allowing the planning and authorization of allied drone operations (for example, inspection or surveillance drones).

Operators will be able to register information such as serial number, date, time, flight area, and expected altitude, enabling the system to automatically identify these aircraft as "friendly drones", thus preventing false alarms during their operation.

11. Inhibition Request Mechanism

The system includes a Jamming Request Mechanism (“Inhibition Request”).

In environments where the server or operator lacks direct authorization to execute jamming measures, the system automatically generates a formal request to the competent authority or entity, typically the Law Enforcement Agencies (LEAs).

This approach ensures regulatory compliance in facilities where signal jamming is not permitted for civilian operators — for example, at the Port of Barcelona — providing a coordinated and traceable response to potential threats.

12. Predictive Artificial Intelligence

(Sendes Core ASDT)

ASDT incorporates a predictive artificial intelligence engine capable of analyzing flight patterns and forecasting drone activity in specific areas.

For example, the system can anticipate that around 10 drone flights are expected in the Sagrada Familia area during the day, thus optimizing planning and proactive surveillance.

This predictive capability enables the anticipation of high air-density scenarios and improves real-time resource allocation.

13. Automatic Updates

(Sendes Core ASDT)

Clients with an active Internet connection can receive automatic updates from the ASDT SENDES Core central module.

This remote maintenance system ensures version consistency, operational stability, and security across the entire server ecosystem, keeping both the C2 software and its functional modules up to date.