



The DART Series

Highly Ruggedised Portable RF Inhibitors

SPECIALIST DESIGN THROUGH INNOVATION AND TECHNOLOGY

The DART Series is a range of portable jamming systems designed for fast deployment in ruggedised briefcase form. **The DART Series** can be used to neutralise areas where Remote Controlled Improvised Explosive Devices (RCIED) are a threat, or, more generally, where it is preferable to neutralise communications.



The DART jamming system has been designed to provide an efficient and effective jamming system in a small, highly ruggedised package. Based on the popular PJS series of cell phone jammers now in service worldwide, the DART Series extends the range into UHF, Satellite Phone, 3G and WLAN bands as well as providing many new features. The DART Series is a single unit to cover both GSM900 and GSM1800 bands (DART 9). This single system can be easily transported to site, switched on and pointed for instantaneous jamming of required bands. Area of coverage is dependant upon factors such as distance from the cell nodes and proximity of local infrastructure, but coverage of several km can be obtained. A low power switch is available to attenuate the output signal and conserve battery power. The DART Series also has the facility to add in omni-directional antennas for instances where the target location is not known. DART systems are available with on board batteries supporting autonomous operations for up to 4 hours.

The DART Series is available in multiple frequency bands to provide UHF (DART 7), 3G (DART 10), WLAN 2.4G (DART 11), WLAN 5.5 G (DART 12) and Satellite Phone (DART 14) coverage. Options also include hard wired and wireless remote control. All DART Series equipment can be powered from 15 to 30 VDC for continuous field operation and comes with 85-264 VAC charger unit to recharge the battery system with a visual alarm when the battery is low.



- Comprehensive jamming in UHF, GSM900, GSM1800, 3G, WLAN (2.4 and 5.8 GHz) and Satellite Phone bands
- Quick and easy set up, "point and go"
- Fully autonomous operation with integral battery option (up to 4 hours)
- Easy reconfiguration for omni-directional operation
- High/low power settings
- Remote control option available.

< DART system open for set up and configuration

**DESIGNERS AND MANUFACTURERS OF RF
& MICROWAVE COMMUNICATION SYSTEMS**



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OUTLINE SPECIFICATION

Frequency Coverage:	DART 7 - 433-463MHz. DART 9 - 869-960 and 1700-1880 MHz. DART 10 - 2110-2170.MHz. DART 11 - 2.4-2.5 GHz. DART 12 - 5.15-5.35 & 5.725-5.825GHz. DART 14 - 1525 - 1559 MHz
Power Supply:	External 15 to 30 VDC and 85-264 VAC with internal battery system (LION opt)
Temperature Range:	- 10°C to + 55°C
Humidity:	5% to 95% Relative Humidity
RF Output Power:	30 Watts EIRP with low power setting
Antenna System:	Integrated flat plate antenna, nominal 7 dBi gain with 80 x 80 degree HPBW
Weight:	17 kg nominal, including batteries and antenna
Dimensions:	Nominal 53 cm (h) x 39 cm (w) x 21 cm (d) - DART 9,10,11,12 and 14 Nominal 62 cm (h) x 49 cm (w) x 22 cm (d) - DART 7

COMPONENTS

- Integrated system in briefcase
- External AC power supply, 110/220 VAC auto-ranging
- AC and DC cables (3 metres)
- Operators manual
- Installation and commissioning instructions are provided
- Remote control cable (optional)
- Omni-directional antennas (optional)



Dart system showing Interface panel

ECS is pleased to offer a range of installation, commissioning and training services, details upon request.

Supply of DART Series is subject to Export Licence approval and suitable End User documentation being provided.

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ECS has a policy of continuous development and therefore stress that data contained on this sheet should be used for guidance only.