

BLOCKPHONE

BP120

Cellular Jammer



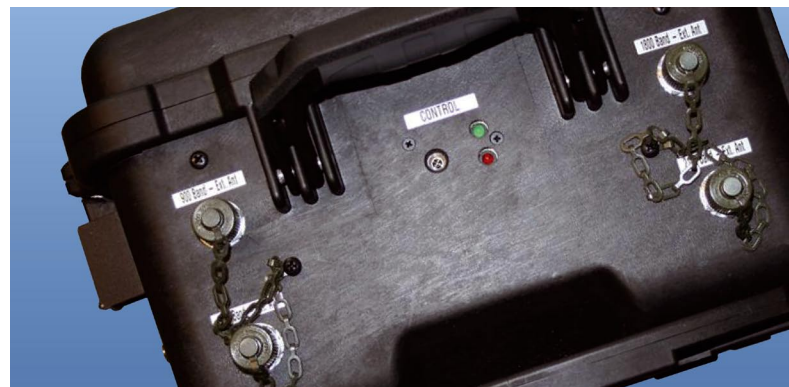
FEATURES

- Permanent jamming
- Adjustable transmission power and frequencies
- Handiness and portability
- Infra-Red remote control activation
- Configured up to 5 bands
- All cellular standard available including WIFI/BLUETOOTH
- Digital power control
- Simple and intuitive user interface



APPLICATIONS

- SWAT
- EOD and search teams
- Block all civil mobile communications in a specific area
- Border control
- Prisons (outside i.e. courtyards, recreational areas)
- Sensitive sites
- Government & Military Establishments



BlockPhone 120 is a high-power tactical portable jammer, designed for outdoor use. This entirely adjustable modular system allows for quick deployment and is easy to use.

BP120 can be equipped with 1 to 5 modules (bands), each module (band) being dedicated to a specific cellular frequency range, approx coverage per unit 80-100 meters.

In order to precisely protect the area, BP120 output power can be adjusted by the user. Each module (band) transmission power and frequency can be adjusted independently to control the jamming density.

The BP120 is supplied in a strong ABS hard case Peli 1500 or 1510 (depending on number of bands), for applications requiring increased transmission power or five bands the system is supplied in a 19" Rack. BP120 is available in five bands housed in a Peli 1510 case, depending on the configuration of the device (frequency bands and power per frequency band).

Options include external battery, charger, external omni-directional antennas & directional antennas.

TECHNOLOGY

BP120 protects an area by disabling all kinds of mobile phones incoming and outgoing communications in that area. By sending out a jamming signal on the dedicated frequency range, the device inhibits all systems using cellular networks and local wireless technologies (WIFI/BLUETOOTH). All communication attempts, calls, sms, mms, data..., are immediately blocked. ■

The use of BlockPhone is governed by law. These products are not for sale or use in the UK.

TECHNICAL SPECIFICATIONS

Main function and applications	BlockPhone 120 disables all wireless mobile communications. Portable and covering a wide range, BlockPhone 120 protects.	
Jamming technique	BlockPhone 120 transmits a phase-locked loop radio signal on the frequency ranges dedicated for mobile phones. BlockPhone doesn't use communication protocols.	
Standards	Frequency ranges	Power
NMT	450MHz	15W
CDMA, AMPS, IDEN, NMT, NEXTEL	800MHz	15W
ISM, GSM/E, WCDMA	900MHz	15W
SATELLITE PHONES	1500MHz - 1600MHz	1W
DCS	1800MHz	15W
PCS, GSM, IDEN	1900MHz	15W
WCDMA, UMTS	2100MHz	15W
WIFI / BLUETOOTH	2400MHz	15W
WIMAX	5800MHz	15W
Number of different frequency bands	Available in single, dual, tri, quad and five band version	
Modulation	FM	
Transmission power per frequency range	15W (41.8dBm) per frequency range, including a digital power control. 1W (30dBm) for 1500-1600 band.	
Minimum transmission power	15mW (11dBm)	
Maximum spurious level	Minimum 43 dB below maximum level of transmission power	
Antenna type	Internal directional (External optional)	
Antenna polarization	Vertical (nominal)	
Antenna gain (typical)	8 to 10 dBi	
RF output connector	Type N Female	
Power consumption	Depends on the number of frequency ranges, 80W (max for 4 bands at maximum power level)	
Power supply	AC/DC 110/220V converter or 12-28 VDC	
Internal ventilation	Conduction (single-band, dual-band) – Air cooling (tri-band & more)	
Controls and indicators	On / Off switch and indicator, Transmission level indicator Frequency range status indicator, VSWR indicator, IR remote control	
Weight	±15 Kg depending on configuration (18 Kg Dual-band)	
Dimensions (L x W x H mm)	470 x 357 x 176mm (Peli 1500), 559 x 351 x 229mm (Peli 1510)	
Operating temperature, humidity	-5° to 50° C, 5% to 90%	
Options	Internal NiMH batteries 24/8Ah and charger, DC/DC adapter Wide range of antennas: directional, omni-directional...	
Standards and conformity	DO 160D	
Housing	Peli 1500 (single-band to tri-band) / Peli 1510 (quad-band to five band) / Rack 19" (single-band to five band)	

PRODUCT CODES

BLOCKPHONE 120 Cellular Jammer - Full Systems

3-299-985*	BP120 SB (single-band), adjustable power emitted 15W max erp., ruggedised jammer housed in a Peli 1500 case, internal directional antenna
3-299-986*	BP120 DB (dual-band), adjustable power emitted per band 15W max erp., ruggedised jammer housed in a Peli 1500 case, internal directional antennas
3-299-972*	BP120 TB (tri-band), adjustable power emitted per band 15W max erp., ruggedised jammer housed in a Peli 1500 case, internal directional antennas
3-299-973*	BP120 QB (quad-band), adjustable power emitted per band 15W max erp., ruggedised jammer housed in a Peli 1510 case, internal directional antennas
3-299-974*	BP120 FB (five-band), adjustable power emitted per band 15W max erp., ruggedised jammer housed in a Peli 1510 case, internal directional antennas

*All kits come as standard with: AC/DC cable, IR RCU, external N Type connectors and Guidance Manual

BLOCKPHONE 120 - Accessories, Components & Upgrades

3-299-963	External NiMH battery 24V supplied in a separate Peli 1300 case with charger
3-299-964	External omni-directional antenna (per band)

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