



CJ-1P

Cellular Jammer

- High quality jamming equipment for mobile communications
- Blocking up to three frequency bands simultaneously
GSM 900, GSM 1800 and UMTS
- Cellular phone detection capabilities
- Various applications
- Compact and modular design



IRITEL
*bright
connections*

Description

CJ-1P is a high quality jamming equipment for mobile communications. The CJ-1P cell phone jammer unit is intended for blocking all mobile phone types within designated indoor or outdoor areas. Its unique design combines effective jamming and strict compliance with international standards of safety and electromagnetic compatibility.

CJ-1P is a 'plug and play' unit, its installation is quick and its operation is easy. Once the CJ-1P cellular jammer is operating, all mobile phones present within the jamming coverage area are blocked, and cellular activity in the immediate surroundings (including incoming and outgoing calls, SMS, pictures sending, etc.) is jammed.

Basic features

- Fully digitalized
- Effective jamming in a radius between 5-100 meters (depending on cellular signal strength at site)
- Can block up to three frequency bands simultaneously GSM 900, GSM 1800 and UMTS
- Cellular phone detection capabilities
- Remote controlled
- Blocking range selection
- Can be operated via 12 Vdc/230 Vac power source

Applications

- Prevention of eavesdropping and information transfer:
 - Briefing rooms
 - Military and governmental offices
 - Interrogation rooms
 - Prisons
 - Conference rooms
 - Embassies
 - Government facilities
 - Financial institutions
- Secret services
- Government agencies
- Police Negotiation Team
- Military facilities and forces
- Police Special Forces
- VIP protection agencies
- Elite units

TECHNICAL DATA

Frequency ranges:	
GSM 900	925 - 960 MHz
GSM 1800	1805 - 1880 MHz
UMTS	1920 - 2170 MHz
Synthesizer type	digital
Jamming signal type	fast CW sweep signal, chirp (sweep time as low as 20 usec)
Output power	ON/OFF possibility and adjustable 0 - 32 dBm for all bands independently
Output power resolution	1 dB
Antenna system	four PCB antennas or four omnidirectional antennas (option)
Frequency ranges:	
ANTENNA1	925 - 960 MHz
ANTENNA1	1805 - 1880 MHz
ANTENNA3	1920 - 2170 MHz
Impedance	50 Ω unbalanced
Radiation (H-plane), beamwidth at -3 dB	70° at 920; 60° at 1920 MHz
Radiation (E-plane), beamwidth at -3 dB	70° at 920; 60° at 1920 MHz
Radiation angle	0°
Front to back ratio	≥ 15 dB from 880 to 960 MHz ≥ 15 dB from 1710 to 2000 MHz ≥ 10 dB from 2000 to 2170 MHz
Polarization	linear vertical
Gain	9 dBi
S.W.R. in bandwidth	≤ 2.0:1 from 880 to 960 MHz ≤ 1.8:1 from 1710 to 2170 MHz
Max. power	1 Watt (CW) per band at 50° C
Connector	SMA-male
Dimensions	
ANTENNA1	148.3 x 127 x 45 mm
ANTENNA2	148.3 x 127 x 30 mm
ANTENNA3	120.5 x 75.5 x 20 mm
JAMMER UNIT	300 x 265 x 80 mm
BRIEFCASE	500 x 400 x 130 mm
Power supply	230 Vac/12 Vdc/battery 12 Ah
Consumption	30 VA
Operated temperature range	-20°C to + 55°C