

JAMMING SYSTEMS



PKI ELECTRONIC INTELLIGENCE GmbH GERMANY

PKI MOBILE JAMMING SYSTEMS VEHICLE MOUNTED

Modular Design

The **PKI** modular jamming system can be scaled and adapted to any necessary application. Depending on available space and power, country of destination and customer specification **PKI** adapts the electronics and antennas to match given specifications.

Full Range Jamming

Frequencies can be covered from 20MHz up to 6000MHz using high sophisticated sweep generators which are capable of interfering analogue and digital transmissions. Depending on the requested power the number of incorporated units may vary.

Intensified Bands

Based on our experience on available remote controls of cell phones and other devices we incorporate additional units to improve the covered distance for well known frequency ranges.

Sweeping Technology

PKI „High Speed Sweeper“ show how precise the power amplifier are modulated. This avoids unnecessary technical side effects which could endanger the mission.

Power Supply

The high power modules of the HF-modules can be either powered by:

- Vehicle engine alternator
- Independent Generator
- Mains operation

For high power systems vehicle engine alternator, also improved versions (< 2 KW), might not be sufficient to source a system. Therefore we offer a build-in high power generator solution.

Cooling

Depending on the given environment of the country of operation, we offer separate cooling solutions for the electronics and driver compartment.

Antennas

All antennas are specially designed to the specific frequencies to broadcast.

We offer two options for the antennas:

- directional antennas, because they are much more effective to produce a „clean“ corridor along the convoy
- omni-directional antennas

Shielding

All high power jamming systems are equipped with special protection mechanism to avoid health damages to the driver and the operators. Even though the output power is in the official limits, we protect the car with special window foil to block any high frequency power from the antenna going inside the car. The complete car will be shielded like a Faraday cage.

Control and Monitoring

All controls will be placed in the driver's compartment. The system is to operate, just by one button. For trained personnel it is possible to monitor all system parameters, function, temperatures and video surveillance from the operator seat.

The operator of the Jamming System gets an immediate warning if one of the components fails. He can easily see the location of the problem.

Vehicles

The optimum vehicles for mobile jamming systems vary due to power requirements. We are capable to adapt the electronics to most cars offering enough space. Ideally it is installed in long version vans or pick-up trucks. As option armoured cars or 4x4 vehicles can be equipped.

Vehicle Selection Criteria

- Top Speed
- Armoured
- Available Service in Country
- Size and appearance
- Emergency functions

Communication

For higher security we do not recommend communication between the vehicles. Every communication gap can be used to compromise the system. Usually, clients use acoustic or optical methods to communicate with running jammer systems. All cars can be equipped with PA systems, sirens, special horns and emergency lights. If requested, the end user can specify frequencies for communication.

Video Surveillance

The vehicles can be equipped with every kind of video surveillance for front, back or all-round view with regular cameras, day-night or thermal imaging systems.

Different models of recording devices can be selected for long recording periods.

Complete Solution

PKI offers

- Customized development
- Small quantity production
- Delivery in time
- Service worldwide
- Training as requested
- Repair and Maintenance
- Documentation
- Test and Measurement Equipment

For system testing we will provide:

- Modern measurement equipment for all system specifications
- Field test equipment
- Training for the system and all measurement tools.

All devices are built from subassembly units, which can be interchanged or replaced in case of malfunction. Diagnostic tools for error analysis to assist the operating staff are included.

PKI 6010

Portable Cellular Phone Jammer

This compact device, the **PKI 6010** Portable Cellular Phone Jammer is designed for mobile use. Due to its small pocket size it can easily be hidden in clothing, handbags or any other personal belongings. It is powered by a rechargeable Ni-H battery for continuous operation of up to 90 minutes.

Specifications:

- Tx frequency for type A: 845 to 975 MHz
- Tx frequency for type B: 1785 to 2000 MHz
- Tx frequency for type C: 2100 to 2180 MHz

- Output power: +25 dBm / 300 mW
- Power supply: Ni-H battery 12 VDC / 1600 mA/h
- Weight: approx. 300 g
- Dimensions: approx. 110 x 62 x 30 mm (without antenna)
- Jamming Range: radius 5 - 8 meters
- Various frequency ranges available
- Keeps your conferences quiet and confidential
- Avoids cellular interruption
- 300 mW output power



PKI 6020

Portable Bluetooth, WiFi, Video Jammer

This pocket-sized device is the one and only solution for protecting conference rooms, schools, hospitals, court rooms, jails, military establishments, petrol stations, theatres, churches, mosques etc. Due to its minimized size it can easily be body-worn and disguised in clothing, handbags or any other personal belongings.

Specifications:

- Tx frequency for type A: 895/900 to 1000 MHz
- Tx frequency for type B: 1195/1200 to 1300 MHz
- Tx frequency for type C: 2395/2400 to 2500 MHz

- Output power: +25 dBm / 300 mW
- Power supply: Ni-H battery 12 VDC / 1600 mA/h
- Weight: approx. 300 g
- Dimensions: approx. 110 x 62 x 30 mm (without antenna)
- Jamming Range - radius 5 - 8 meters
- Protects from unwanted remote controlled monitoring
- Covers every kind of Bluetooth, WiFi and video transmission
- Various frequency ranges available
- 300 mW output power



PKI 6030

Video and WiFi Jammer

This jammer is camouflaged in a panel antenna and easy to install. Its 40W power per channel allow interference of devices within a range of up to 150 m. The housing is waterproof according to IP 68. **PKI 6030** features an increased frequency range from 2,4 GHz to 5,8 GHz. Further frequencies are available on request.

Specifications:

- Dimensions: 270x260x95 mm
- Weight: 3,0 kg
- Interference frequency: 2,4GHz – 5,8 GHz range
- Power output: EIRP 40W per band
- Covered range: up to 150 meters (at -80db)
- Outdoor housing design: IP 68 waterproof
- Antenna: integrated Patch High Gain
- Power supply: 220V/50Hz
- protects from unwanted WiFi and video transmission
- various frequency ranges available
- 40W per band output power



PKI 6050

Dualband Phone Jammer

The **PKI 6050** Dualband Phone Jammer is designed for the protection of sensitive areas and rooms like offices, prisons, police stations, military camps etc. Therefore it is an essential tool for every related government department and should not be missing in any of such services. The jammer transmits radio signals at specific frequencies to prevent the operation of cellular and portable phones in a non-destructive way, working in the GSM, DECT, DCS and wireless bands. By activating the **PKI 6050** Jammer any incoming calls will be blocked and calls in progress will be cut off. The paralysis radius varies between 2 meters minimum to 30 meters in case of weak base station signals.

Specifications:

- Frequency Range: Dual-band output 920 MHz GSM 1800 - 1900 MHz DCS/PHS
- Power Supply: 11 - 24 V DC, 250 mA
- Total Output Power: 1 W
- Jamming Range: 2 - 30 m (the signal must < -80 dB in the location)
- Size: 140 x 80 x 25 mm
- Operating temperature: 0°C - +60°C
- Relative Humidity: 5% - 80%



- Dual-Band Output 900, 1800 MHz
- Paralyzes all kind of cellular and portable phones
- 1 W Output Power

PKI 6060

Wireless Camera Blocker

This wireless camera blocker disrupts Audio/Video signals without being detected. **PKI 6060** transmits interruption-code frequencies to interrupt and block the signal of wireless cameras in the range from 900MHz to 2499 MHz. A Lion-hydrogen battery allows interference activity of up to 90 minutes. Due to its small size and its built-in power supply this device is perfect for camouflaged operation.

Specifications:

- Frequency:
 - band 1: 0,9 – 1,10 GHz
 - band 2: 1,2 – 1,45 GHz
 - band 3: 2,4 – 2,499 GHz
- Interference mode: interruption of wireless frequency transmission
- Power output: 800 mW
- Interference range: 10-20 m radius
- Power supply: AC-DC Adapter
- Battery: rechargeable Lion-hydrogen 900 mAh
- Operating temperature: 0-50°C
- Operating humidity: 80%-90%
- Dimensions: only 70x 5x30 mm
- Weight: 170 g



- Triband Jammer
- Small Size
- Protects your privacy
- 10-20 m range interference range

PKI 6070 PKI 6080

GPS Jammer

This extremely small-sized pocket device **PKI 6070** is equipped with 10 mW outlet power and designed for interference of GPS trackers which might be installed in a car. The built-in rechargeable batteries allow 6 hours operation. Mobility and independent power supply are the main advantages of this device.

The car tracking jammer **PKI 6080** works in the exact same manner, however, it is integrated in the cigarette lighter using 12 V on board power supply.

Specifications:

- Power supply:
 - PKI 6070 Li-Ion battery 400 mAh
 - PKI 6080 12V DC on board power
- Block distance radius: 5-10 m

- Dimensions:
 - PKI 6070 64 x 37 x 16 mm
 - PKI 6080 100 x 20 x 23 mm
- Working band: 1575 MHz
Cover all GPS signals worldwide available
- Antenna:
 - PKI 6070 built-in
 - PKI 6080 external
- Output power: 10 mW
- Various: GPS jammers with higher power available on request

- small size
- safety and security
- prevents from car tracking
- easy installation



PKI 6100

Cellular Phone Jammer

The **PKI 6100** Cellular Phone Jammer is designed for prevention of acts of terrorism such as remotely triggered explosives, impediment of undetected or unauthorised information exchanges, protection of sensitive areas and facilities, such as government buildings, national assets, embassies, public transport etc. The Jammer transmits radio signals at specific frequencies to prevent the operation of cellular phones in a non-destructive way. Exact coverage control furthermore is enhanced through the unique feature of the jammer, providing a continuously variable RF output power adjustment with digital readout in order to customise its deployment and suit specific requirements. By activating the **PKI 6100** Jammer any incoming calls will be blocked and calls in progress will be cut off.

Specifications:

- Frequency Range, Quad-band output:

860 – 885 MHz CDMA
925 – 965 MHz GSM
1800 – 1950 MHz DCS/PHS
2100 – 2200 MHz 3 G

- Power Supply: 110 – 240 V, 50/60 Hz transmitting to 12 V DC
- Operating Time: 3 hrs with 12 V DC, 4 Ah battery or 100 – 240 V AC, 50/60 Hz permanent operation
- Total Output Power: 4 W
800 MHz: 1 W
900 MHz: 1 W
1800 – 1950 MHz: 1 W
2100 – 2200 MHz: 1 W
- Jamming Range: 20 - 25 m (the signal must < -80 dB in the location)
- Size: 240 x 180 x 50 mm
- Weight: 1,5 kg
- Operating temperature: -10°C - +60°C
- Relative humidity: 5% - 80%



- Quad-Band Output: 800, 900, 1800-1950, 2100-2200 MHz
- Paralyzes all types of cellular phones
- For mobile and covert use

PKI 6120

Cellular Phone Jammer for Police and Military Services

Our **PKI 6120** Cellular Phone Jammer represents an excellent and powerful jamming solution for larger locations, such as prison buildings, law-courts and banks or government and military areas where usually a high level of cellular base station signals is emitted. Due to the high total output power, this device can cover all such areas with a RF-output control of 10, 20, 30, 40 W with digital display. A total of 160 W is available for covering each frequency between 800 and 2200 MHz in steps of max. 40 W for each single frequency band. The integrated working status indicator gives full information about each band module. Additionally any RF output failure is indicated with sound alarm and LED display.

Specifications:

- Tx frequency: 851/869 to 894 MHz, 925/936 to 965 Mhz, 1800 to 1990 Mhz, 2110 to 2170 MHz
- Total output power: 160 W, at each a.m. frequency band with 40 Watts max.
- Signal source: PLL synthesized
- Band capacity: Max. 6 different bands (with 2 additional bands in option)
- Modular protection: VSWR over protection
- Connections: RS-485 for wired remote control RG-214 for RF cable
- Power supply: AC 110-240 V / 50-60 Hz or DC 20 - 28 V / 35-40 AH
- Dimensions: approx. 492 x 352 x 120 mm
- Weight: approx. 35 kg
- Operating temperature: approx. -20°C to +60°C
- Ambient humidity: approx. 5% to 90%



PKI 6140

Cellular Phone Breaker

The **PKI 6140** is a small and compact Cellular Phone Breaker for most kinds of cellular communications. Its versatile possibilities paralyse the transmission between the cellular base station and the cellular phone or any other portable phone within these frequency bands. Therefore the **PKI 6140** is an indispensable tool to protect government buildings, military camps, prisons, religious establishments like churches and mosques, petrol stations, cinemas, theatres, casinos, recording studios, and much more.

Specifications:

- Tx frequencies: 800, 900, 1800-1950, 2100-2200 MHz
- Tx output power: 1 Watt each for the selected frequencies of 800, 900, 1850-1950
Can be adjusted by a dip-switch to low power

Mode of 0,5 Watt.

- Power supply: automatic power switching from 100 to 240 VAC 50/60 Hz, transmitting to 12 VDC by AC adapter
- Jamming Range - radius up to 20 meters at < -80db in the location
- Dimensions: approx. 200 x 190 x 55 mm
- Weight: approx. 2.5 kg

- Keeps your conversation quiet and safe
- 4 different frequency ranges
- Small size
- Covers CDMA, GSM, DCS, PHS and 3G



PKI 6150**Cellular Phone Breaker**

The **PKI 6150** is the big brother of the **PKI 6140** with the same features but with considerably increased output power. This allows a much wider jamming range inside government buildings, military camps, petrol stations, churches and mosques as well as lecture halls, meeting rooms, theatres and any other public places. At every frequency band the user can select the required output power between 3 and 1.5 Watt.

Specifications:

- Tx frequencies:
860 to 885 MHz on CDMA band
925 to 965 MHz on GSM band
1800 to 1950 MHz on DCS/PHS
bands 2100 to 2200 MHz on 3G band
- Output power: selectable on each band between 3 and 1.5 Watts

- Jamming Range: radius of approx. 35 m.
The signal must be < - 80 db in the location
- Dimensions: approx. 240 x 190 x 55 mm
- Weight: approx. 4,5 kg



- Advanced model
- Higher output power
- Small size
- Covers multiple frequency band

PKI 6160**Cellular Phone Breaker**

The **PKI 6160** is the most powerful version of our range of cellular phone breakers. With its highest output power of 8 watt, reasonably small-sized, this device is the perfect solution for large areas like big government buildings, military camps and public places, such as shopping centres, supermarkets and much more. Similar to our other devices out of our range of cellular phone jammers, the **PKI 6160** covers the whole range of standard frequencies like CDMA, GSM, DCS, PHS and 3G, but with the highest possible output power related to the small dimensions. All the Tx frequencies are covered by down link only.

Specifications:

- Tx frequency (CDMA): 860 to 885 MHz
- Tx frequency (GSM): 925 to 965 MHz

- Tx frequency DCS, PHS): 1800 to 1950 Mhz
- Tx frequency (3G): 2100 to 2200 MHz
- Output power: 8 Watts on each frequency band
- Power supply: 100-240 VAC, 50/60 Hz transmitting to 24 VDC
- Dimensions: approx. 310 x 180 x 55 mm
- Weight: approx. 12 kg
- Jamming range: radius up to 50 m at signal < -80db in the location



- For safety and security
- Covers all communication bands
- keeps your conferences quite and confidential
- High output power

PKI 6200**Cellular Phone Signal Detector**

The **PKI 6200** protects private information and supports cell phone restrictions, whether in hospitals, power plants, airports, computer rooms or any other government and military office. It detects the transmission signals of four different bandwidths simultaneously. **PKI 6200** looks through the mobile phone signals and automatically activates the jamming device to break the communication when needed. Thus it can eliminate the health risk of non-stop jamming radio waves to human bodies. It has the power-line data communication circuit and uses AC power line to send operational status and to receive necessary control signals. Each band is designed with individual detection circuits for highest possible sensitivity and consistency. The **PKI 6200** features achieve active stripping filters, designed for high selectivity and low false alarm are implemented.

Specifications:

- Working bandwidths:
CDMA : 824 to 849 MHz
GSM : 890 to 915 MHz
DCS : 1710 to 1785 MHz
3 G : 1920 to 1980 MHz
- Sensitivity: > -55 to - 30 dBm
- Detection range: 15 to 30 meters
- Jamming control (Detection first):
Power on/off
- AC output: 110 to 240 VAC / 5 Amp
- Power consumption: < 500 mA
- Working temperature: -10 up to +70°C
- Ambient humidity: 5 to 80%
- Dimensions: approx. 255 x 165 x 45 mm
- Weight: approx. 1,8 kg



- Large detection range
- Protects private information
- Supports cell phone restrictions
- Covers all working bandwidths

PKI 6210

Cellular Phone Detector with Jammer

The **PKI 6210** is a combination of our **PKI 6140** and **PKI 6200** together with already existing security observation systems with wired or wireless audio / video links, servers and LAN networks. Whether in hospitals, jails, prison camps or any other governmental areas like ministries, embassies or military establishments, this combined system is the right choice to protect such locations. Depending on the already available security systems, we - in close cooperation with our customers - work out a complete and fully automatic system for their specific demands.

For technical specification of each of the devices

the **PKI 6140** and **PKI 6200**, please see the details in this catalogue. For any further cooperation you are kindly invited to let us know your demand, so that we can work out the best possible solution for your special requirements.

Specifications:

- Detector for complete security systems
- New solution for prison management and other sensitive areas
- Complements products out of our range to one automatic system
- compatible with every PC supported security system



PKI 6400

EOD Convoy Jammer

The **PKI 6400** EOD Convoy Jammer is a broadband barrage type jamming system designed for VIP, Government and military convoys. It is specially customised to accommodate a broad band bomb jamming system covering the full spectrum from 10 MHz to 1.2 GHz (3dB bandwidth). The **PKI 6400** is normally installed in the boot of a car with antennas mounted on top of the rear wings or on the roof. Its total output power is 400 W rms. The unit is controlled via a wired remote control box which contains the master on/off switch, band selection and low battery warning LED. Reverse polarity protection is fitted as standard. The unit requires a 24 V power supply. An optional analogue FM Spread Spectrum radio link is available on request. This system is able to operate in a jamming signal to communication link signal environment of 25 dBs, so that the jamming signal is more than 200 times stronger than the communication link signal. The use of Spread Spectrum technology eliminates the need

for vulnerable "Windows" within the frequency coverage of the jammer.

Specifications:

- Frequency Range: 10 MHz – 1.2 GHz:
 - Band 1: 10 MHz – 200 MHz
 - Band 2: 200 MHz – 550 MHz
 - Band 3: 550 MHz – 1.2 GHz
 - Power Supply: 24 V DC
 - Antennas: High efficiency matching units and omnidirectional antenna for each of the three bands
 - Total Output Power 400 W rms
 - Cooling: low-noise fans
 - Size: 320 x 680 x 320 mm
- Broadband jamming system 10 MHz to 1.2 GHz
 - Paralyzes all types of remote-controlled bombs
 - High RF transmission power 400 W



PKI 6600

Jammer for Mains Circuits

Most of the time a room monitoring attack is carried out by more or less smart RF bugs, in some cases even equipped with remote control to prevent quick and easy detection by counter surveillance scanners. But less sophisticated and low cost solutions like Intercom systems for the communication through the main lines most often are not taken into consideration. Such systems simply can be bought in normal stores, and by removing the housings, the basic components are small enough to be hidden in places of mains power distribution sockets or junctions. Therefore the risk of this kind of attack is enormous. The **PKI 6600** as a jammer system for mains protects sensitive areas against room eavesdropping through the mains line. **PKI 6600** simply has to be plugged into the mains socket and is running fully automatic and disturbs the signal with an AM/FM-modulated noise. Direct listening to the target transmission is possible via headphone.



Specifications:

- Frequency range: 50 to 500 KHz
 - Modulation: AM / FM simultaneously
 - Direct listening: Via headphone
 - Power Supply: 120 or 230 VAC
 - RF output power: approx. 1 W
 - Size: 170 x 100 x 40 mm
- Prevents against Intercom attacks
 - Suitable for 115 & 230 VAC
 - Against mains listening
 - Easy installation

PKI 6610

Modular Car Jammer System with Digital Programming

Jammers are absolutely indispensable in a lot of application areas, i.e. securing of convoys, VIP or borders. We especially want to point out that the jammer technology is also very useful to fend off remote-controlled bombs, i.e. RCIEDs (Remote Controlled Improvised Explosive Devices) **PKI** Jammers are manufactured according to customer's requirements. Thanks to the new digital **PKI** programming it is possible to adapt not only output power and frequencies to be disturbed, but also the required exemptions necessary for your own communication. The modular system allows you to choose any required frequency within the range of 25MHz up to 1.000 MHz / 1GHz up to 2GHz / 2 GHz up to 3GHz and 3GHz up to 4GHz.

Specifications:

- Total frequency range 25MHz - 4.000MHz
- Band 1 25MHz - 90MHz
- Band 2 90MHz - 500MHz
- Band 3 500MHz - 1000MHz
- Band 4 1GHz - 2GHz
- Band 5 2GHz - 3GHz
- Band 6 3GHz - 4 GHz

Power amplifiers

- Band 1 and 2 60 W CW each, Class A/B
- Band 3 40 W CW, Class A/B
- Band 4, 5, 6 26W + 44,2dBm
- Flatness: +1 to -1,5 dB
- Power consumption: DC 12V / 35A each
- Cooling system: integrated heatsink 12V fans
- Direction couplers: insertion loss 0,5dB measuring ports - 20dB

- Type of Antennas: Log.-periodic directional
- Dimensions: 19" rack, height 3RU, each 135x450x350mm
- Weight: approx. 22 kg each modul
- Scope of Delivery: incl. Antennas, remotebox and cables

If you require any further information, please let us know.


PKI 6620
PKI 6625

Portable Jammer System

This portable jammer has been designed for flexible and versatile use. Integrated in a water-tight carrying case it can be used everywhere. A strong disturbing signal of 80W over a wave band of 20 up to 1000MHz guarantees the protection against eavesdropping devices. The RF power emission of this jammer disturbs all receivers immediately. The function of the jammer's signal is defined as SCMS (Complete Sweep Modulation Signal). A broadband antenna for the total frequency range is also included in delivery. When the system is put into operation the antenna will be set up and connected to the antenna socket of the **PKI 6620** by means of a cable. A built-in rechargeable battery guarantees the necessary power supply. It is also possible to connect the system directly to 115/230VAC.

Specifications:
PKI 6620

- Total frequency range: 20 - 550 MHz, 500 - 1000 MHz, 1800 - 1990 MHz, 2110 - 2170 MHz
- Output power amplifiers: 2 outputs, total 80W at 50 Ohm
- Flatness: +1 to -1,5 dB
- Operation of amplifiers: class A/B
- Channel power out: Low band 50W / High band 30W
- Cooling system: Integrated heatsink 12V fans
- Cables: N-connector 2 omnidirectional antennas
- Power supply: 12V DC / 35A, 115 - 230V AC
- Operating temperature: -10°C up to +60°C
- Humidity: 0 - 90% relative humidity

- Dimensions: approx. 620 x 490 x 300 mm (weatherproof)
 - Weight: approx. 24 kg
 - Scope of delivery: incl. antenna and connecting cable
- If you need any further details, please let us know

PKI 6625

Jamming systems can be manufactured according to client's requirements. They are available from 20 MHz to 3 GHz, power 40 W - 80 W.



PKI 6630

Man Pack Jammer

PKI 6630 is developed on explicit request of different military and governmental institutions. This powerful jammer offers an effective blocking range. This Man Pack Jammer can be carried by a person in areas where remote controlled improvised explosive devices are suspected and is designed for protection of soldiers and law enforcement foot patrols against RF radio controlled bombs, or against terrorists indicating their exact location via radio transmission.

Specifications:

- Frequency:
 - band I: 820 - 895 MHz
 - band II 920 - 965 MHz
 - band III 1800 - 1990 MHz
 - band IV 2110 - 2170 MHz
 - further frequencies on request
- Output power:
 - +40 dBm per band,
 - total 125 WEIRP
- Antenna:
 - external high gain omni GP
- Power ON:
 - by remote control

- Power supply:
 - Lithium battery for 2 hours operating
 - Battery charge input AC 100-250V, 50-60 Hz
 - Housing:
 - rain-proof
 - Antenna:
 - 650 m length
 - Operating temperature:
 - 10°C to +60°C
 - Applications:
 - Anti terror units, bomb squads,
 - VIP protection, protection of convoys,
 - Military forces, SWAT teams, police forces,
 - anti drug units, riot control units
 - Dimensions:
 - 390 x 340 x 130 mm
 - Weight:
 - 12 kg incl. battery
- 125 W Output Power
 - 60 m average interference range
 - 2 hours operating time



PKI 6650

Mobile Jamming Systems

The **PKI 6650** uses the technology of the more advanced digital frequency generation, compared to the traditional PLL technique, in order to allow different modes of signal generation.

- A) Spot-jamming** of a particular frequency or channel
- B) Hopping - Jamming** of jumping frequencies in combination with an optional connected surveillance receiver, a single bus-band may be selected or the whole spectrum of 20-3000 MHz. On special request we are able to deliver also frequencies up to 6 GHz.
- C) Sweep - Jamming** of a frequency band at an ultra-fast speed and in a continuous mode, various programmable frequency windows allow to define the beginning and end of the frequency bands to cover.
- D) Barriage - Instantaneous and continuous p.n. noise (pseudo noise) jamming** over a wide band. It is possible to activate all sub-bands at the same time and to get a total complete RMS power of 1100 W output to the antenna.

Specifications:

- Frequency Coverage:
 - 20 MHz to 3000 MHz
 - (including 800,900,1800,1900 and 2100 mobile phone bands to cover AMPK, CDMA, TDMA, GSM, IDEN and UMTS bands)
- Power output: 1100W total
- Number of channels 12
 - Channel 1 20 - 80 MHz 200W
 - Channel 2 80 - 200 MHz 200W
 - Channel 3 200 - 500 MHz 200W

- Channel 4 500 - 1000 MHz 100W
- Channel 5 1 - 2 GHz 100W
- Channel 6 2 - 3 GHz 100W
- Channel 7 800 MHz 50W
- Channel 8 900 MHz 30W
- Channel 9 1800 MHz 30W
- Channel 10 1900 MHz 30W
- Channel 11 2100 MHz 30W
- Channel 12 2400 MHz 30W
- Power consumption:
 - approx. 260A at 12V (3120 Watts)
 - Effective operating range: approx. 80 - 200 meter (depending on location)
- Jamming Signal:
 - CDSS (Complex Digital Sweep Signal)
- Amplifiers:
 - Class A Linear, Gain flatness +/- 1.5dB

- VSWR Protection: Protected against antenna miss match including open and short circuit
 - Temperature range: -10°C to +70°C
 - Humidity: 0 - 90% Relative Humidity
 - Power sources: 12 V DC from car system and additional generator
 - Cooling system: Forced air (by built-in blower)
 - Dimensions:
 - approx. 500 x 500 x 1150 mm (h x d x w)
 - Weight: approx. 130 - 150 kg
- The data may vary depending on the vehicle. The system includes a complete set of roof mounted antennas, remote control and monitoring system.

Technical data is subject to change without notice



PKI 6660

Car Lock Jammer

This jammer is designed for the use in situations where it is necessary to inspect a parked car. Whenever a car is parked and the driver uses the car key in order to lock the doors by remote control, normally he does not check afterwards if the doors are really locked or not. For such a case you can use the **PKI 6660**. It can be placed in car-parks, both outdoors and in car-park buildings. The briefcase-sized jammer can be placed anywhere nearby the suspicious car and jams the radio signal from key to car lock. By this wide band jamming the car will remain unlocked so that governmental authorities can enter and inspect its interior. The complete system is integrated in a standard briefcase. Optionally it can be supplied with a socket for an external antenna, so that **PKI 6660** can even be placed inside a car, parked in the same area, with the antenna placed on top of the car. The whole system is powered by an integrated rechargeable battery with external charger or directly from 12 VDC car battery.

Specifications:

- Dimensions: standard briefcase - approx. 50 x 40 x 20 cm
- Weight: approx. 5 kg

- Jamming of a particular frequency or channel
- Modular system based on 19" racks
- Hopping of jumping frequencies
- Sweeping of a frequency band at ultra-high speed



- Output frequency: to cover all radio frequencies for remote-controlled car locks
- Output antenna: integrated inside the briefcase, optionally external antenna if jammer is positioned inside a car

PKI 6670

Remote Control Duplicator

Often the door of an observed car has to be opened without leaving any damages or traces. This is quite difficult sometimes! Our remote control duplicator enables you to open any car door easily. When a driver opens his car with a remote control, an encrypted signal will be sent to the car which opens the door. This signal will be captured by our duplicator and decrypted. With the obtained data a new remote control will be programmed with which it's very easy to open the door of the relevant car without leaving any trace.

Specifications:

- Dimensions: 140 x 190 x 30 mm
- Weight: 240 g
- Power supply: 12 V battery
- Display: LED frequency counter
Comes with connecting cable and charger.

**PKI 6680**

GPS Pocket Jammer

There is a counter device for nearly every tapping unit. One of these is our **PKI 6680**. Small, light-weight, but very effective it jams GPS-signals. This pocket jammer is used if you suspect your vehicle being equipped with a GPS tracking system. The pocket jammer sends a spurious signal on the L1/L2 frequency and eliminates the GPS tracking signal.

Now you can be certain that a location of your car is impossible. Other frequencies, i.e. for mobile phone, radio etc. will not be disturbed.

Specifications:

- Frequency: L1/L2
- Battery capacity: 400 mAh Lion battery
- Operation time: 6 hours
- Charging time: 1,5 hours
- Block distance: radius 5-10 m
- Working current: 65 mA
- Transmission: built-in antenna
- Size: 64 x 37 x 16 mm
- Net weight: 34 g
- Gross weight: 130 g

