



www.gotowti.com

An ISO 9001:2000 Certified Company



Wireless Technology, Inc.

MOBILEBLOCKER I

*Installation and
Operation Manual*

Table of Contents

WARNING	Page 3
IMPORTANT	Page 4
INSTALLATION	Page 5
COVERAGE	Page 7
COVERAGE EXAMPLES	Page 8
TROUBLESHOOTING	Page 9
SPECIFICATIONS	Page 10
INFORMATION	Page 11

WARNING

THIS DEVICE IS NOT APPROVED FOR SHIPMENT INTO OR OPERATION WITHIN THE UNITED STATES OF AMERICA, ITS TERRITORIES OR POSSESSIONS, OR ANY COUNTRY WHERE HARMFUL INTERFERENCE WITH MOBILE TELEPHONE OR PAGER SIGNALS IS PROHIBITED. THE PURCHASER ASSUMES ALL LIABILITY ASSOCIATED WITH THE OPERATION OF THE MOBILEBLOCKER.



Warning

This product may interfere with emergency and life-saving related communications. WTI (Wireless Technology, Inc.) and its distributors hereby relinquish all risk and liability with the use of MobileBlocker to the user of the product. Its use is restricted to private property only, and proper signage as a "CELL/PAGER FREE ZONE" or "MOBILE PHONES/PAGERS INOPERABLE INSIDE" must be clearly and prominently displayed at all times while the MobileBlocker system is in operation:



IMPORTANT

FCC NOTICE

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

1.) This device may not cause harmful interference.

2.) This device must accept any interference that may be received, including interference that may cause undesired operation.

READ THIS MANUAL

Every effort has been made to insure that this WTI system is of the highest quality. This product has been carefully inspected to comply with rigid quality standards before shipment to you. In consideration of your investment and the desire to obtain full performance capability engineered into your new WTI product, we recommend that you read this manual before attempting to operate your system.

FOR MORE ASSISTANCE OR MORE INFORMATION:

WTI (Wireless Technology, Inc.)
2064 Eastman Avenue, Suite 113
Ventura, CA 93003-7787

TEL. 805/339-9696

FAX. 805/339-0932

EMAIL: sales@wirelesstech.com

INTERNET: <http://www.gotowti.com>

or

<http://www.wirelesstech.com>

The software / firmware furnished with the equipment is confidential to and is copyrighted by WTI (*Wireless Technology, Inc.*). It is not to be copied or disclosed in any manner without the consent of WTI (*Wireless Technology, Inc.*). The software/firmware is furnished to the purchaser under a license for use on a single system.

Information furnished by WTI (*Wireless Technology, Inc.*) is believed to be accurate and reliable. However, no responsibility is assumed by WTI (*Wireless Technology, Inc.*) for its use or for any infringements of other rights of third parties, which may result from its use. No license is granted by implications or otherwise under any patent or patent rights of WTI (*Wireless Technology, Inc.*)

©2007 WTI (Wireless Technology, Inc.)
All rights reserved.

INSTALLATION

Before Installing the MobileBlocker 1:

- Make a site plan to ensure that you purchase sufficient MobileBlockers to provide complete coverage.
- Install on a vertical, horizontal, or sloping surface.
- Choose a fastener suitable for the mounting surface.
- Choose fastener heads small enough to allow the Mobile Blocker to slide onto the heads (2 to 3 mm).
- If providing your own power supply, choose one that meets the specifications in this manual (12.5 to 15 VDC).
- Avoid installing on metal surfaces or near copper or other metal piping.
- Install away from large metal objects (filing cabinets).
- Install between 1.8 to 2 meters from the nearest power outlet.



Warning

Hazard of equipment damage.

Applying power to the unit without antennas attached may damage the electronic components.

Never apply power to the unit without the high- and low-bands antennas attached.

INSTALLATION

Connect the other two antennas as follows:

- a. Screw on the shorter antenna to the HIGH-BAND “TNC” connector.
- b. Screw on the longer antenna to the LOW-BAND “TNC” connector.

As a safeguard, do NOT power up unit unless antennas are attached.

Place the rear panel of the MobileBlocker I against the installation surface.

Mark the three fastener locations through the holes provided and install the selected fasteners at the marked locations.

Slide the MobileBlocker I onto the installed fasteners.

Plug one end of the power supply into the 12-15 VDC connector.

- If you are using the power supply shipped with the unit, screw down the power supply connector locking cover onto the MobileBlocker I power connector.
- If you are using a Universal power supply, slide the appropriate power connection attachment into the slot on the Universal power supply and plug into the outlet.
- If you are using the European connector attachment for the Universal power supply and wish to remove it for any reason, use a screwdriver to slide under the end of the attachment and gently depress the tab holding the attachment in place.

Rotate all installed antennas to point directly UP or DOWN, regardless of the angle of installation.

Plug in the power supply to the outlet.

- If using a Universal power supply, the green LED lights. The green LED on the MobileBlocker I also lights.
- If using a UL power supply, there is no LED on the power supply to show you that power is present. Instead, the green LED on the MobileBlocker I lights as soon as power is present.

The MobileBlocker I starts jamming signals a second or two after power is turned on to the unit.

COVERAGE

Covering Your Area:

The MobileBlocker I jams cellular phone reception in a 30-meter circle around where it is installed.

Do not install a MobileBlocker I directly on a metal surface. The MobileBlocker I cannot function when installed directly on metal.

The jamming signals are attenuated to varying degrees by surfaces made of concrete, stone, brick, or metal, corrugated metal. The signals can pass through hollow concrete blocks but are blocked by a solid concrete wall. The older the concrete, the greater its ability to interfere with the Mobile Blocker. Therefore, in buildings made of stone or concrete, you may need to install one or more MobileBlockers in each room (depending on room size) where you wish to interrupt cellular phone reception.

Installing MobileBlockers on the inside surface of outside walls reduces coverage by half. To ensure complete coverage of the area, use a site plan and install the MobileBlockers so that coverage circles overlap as shown (Figure 1). Unless coverage is complete, cellular phone transmission is possible in areas where the circles do not completely cover the area (Figure 2).

Interruption signals are also affected by nearby metal objects such as filing cabinets or metal pipes or concrete rebar that may be inside walls.

If you install MobileBlockers on concrete or marble columns, the area behind the column may not be covered and the omni-directional antenna may have reduced range and less effective coverage.

If you install MobileBlockers only on exterior walls of a building that is larger than the coverage area, areas within the building may not be covered. Optimal installation is in the center of a room or away from walls as long as the corners of the room fit completely inside the coverage circle (Figure 3).

When installing a MobileBlocker I on stone or marble walls, to increase the coverage in front of the wall, purchase the optional panel antenna to direct the beam outwards for more effective coverage of the jamming area in front of the wall. You may need to purchase a panel antenna for each band of coverage depending on where you are located. For example, only one antenna is needed for coverage in Bahrain. In the United Kingdom, at least two panel antennas are required; one for low-band coverage, one for high-band coverage.

COVERAGE EXAMPLES

Figure 1: Complete Coverage (5 MobileBlocker I units)

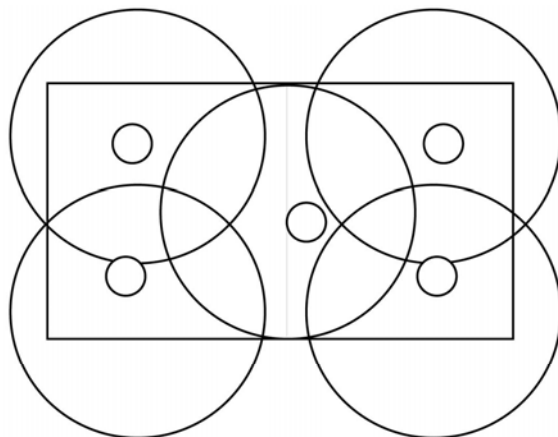


Figure 2: Incomplete Coverage (3 MobileBlocker I units)

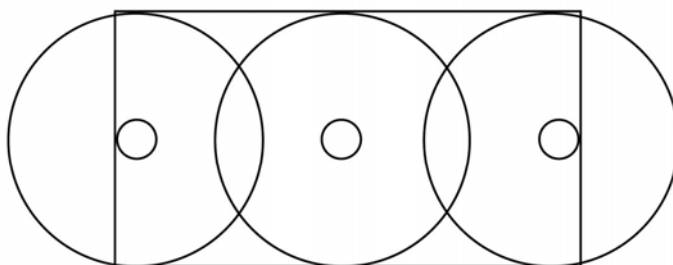
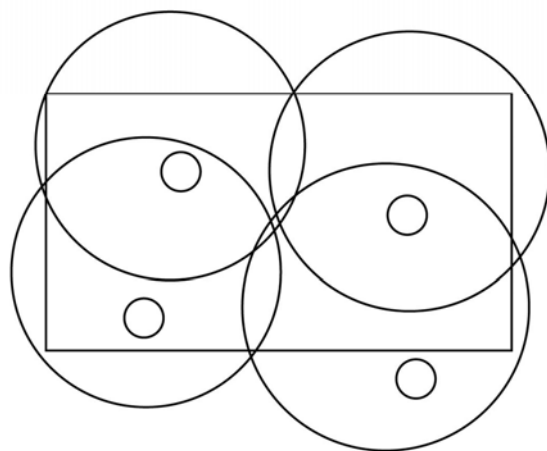


Figure 3: Complete Coverage (4 MobileBlocker I units)



TROUBLESHOOTING

After installation, test the MobileBlocker I with a cellular phone.

- If the green LED on the MobileBlocker I is off, there is no power to the unit. Check whether there is power to the AC power outlet and whether the power supply is functioning.
- Check whether you are using a power supply with reverse polarity (positive central pin). The MobileBlocker I has reverse polarity protection. If you plug in the wrong kind of power supply, the MobileBlocker I is not harmed but cannot interrupt cellular phones.
- If the MobileBlocker I LED is lit but the unit does not block cellular phone transmissions a short distance away, check if the MobileBlocker I:
 - Is mounted directly on a metal surface. Mounting on a metal surface prevents the unit from functioning.
 - Too close to metal pipes or other metal structures in the walls.
 - Trying to block through solid cement, stone, or metal walls.
 - In range (within 7-meter radius).

If the green LED on the MobileBlocker I is on but the MobileBlocker I r does not jam a cellular phone call beside it, return the unit to the factory for replacement.

SPECIFICATIONS

Product Information - MobileBlocker I Standard

WTI ~ MobileBlocker I Standard

Model # MBE-100 (GSM Europe)
Band 1: 925 to 960 MHz
Band 2: 1841 to 1868 MHz

Model # MBA-100 (Canda, Mexico, All Others)
Band 1: 869 to 894 MHz
Band 2: 1925 to 1960 MHz

Frequency Ranges	Works on all digital and analog phones, including Globalstar Mobile Satellite Phones which use the following bands: 1610.73 to 1625.49 MHz, 2484.39 to 2499.15 MHz, 824.01 to 848.97 MHz, & 869.01 to 893.97 MHz. (Blocking half the transmission bandwidth effectively blocks the transmission)
Pulsed RF Output Power	20 dBm (Min)
Indoor MobileBlocker Coverage	30-40 meters (up to 130 feet depending on installation site)
Output Return Loss	Less than or equal to 10 dB from 850 MHz to 1970 MHz
Output RF Connectors	Two (2) Flange-Mounted TNC connectors
Output Antennas	Two (2) Omni-directional, factory-selected, whip types for frequency bands
Input AC Voltage	90 to 264 VAC at 47 to 63 Hz
Internal DC Supply Voltage	15 Volts
Internal DC supply Current	Less than 450 mA
Reversed Voltage Protection	Built-in
Internal DC Voltage Indicator	Green LED
Operating Temperature Range	-30° F to +166° F (-34° C to +74° C)
Dimensions (L x W x D)	9.8 in x 5.3 in x 1.1 in (250 mm x 135 mm x 27 mm)
Weight	Less than 0.45 K (1.0 lb) excluding antennas and AC power supply

MADE IN THE USA

WTI • 888/gotowti (468.6984) toll free • 805/339.9696 office • 805/339.0932 fax

Contact a WTI applications engineer to configure a system to perfectly suit your needs.

Due to Wireless Technology, Inc.'s continuing efforts to engineer the best product, that is most responsive to our customer's needs, the above specifications are subject to change.

INFORMATION

MobileBlockers are the best, simple, time-tested solutions to restore the peaceful and tranquil environment you want and in many instances, MUST maintain.

Features:

- LED power indicator.
- Two omni-directional antennas are included.
- Quick and easy to install.
- Immediate results when activated.
- Automatic restoration of service.
- Safe and harmless.
- One year warranty.
- Ready to work in minutes.
- AC power supply included.
- Heavy duty gauge metal housing.
- Each unit protects up to 40 meters.

Benefits:

- Easy to use.
- Cost-effective at about 34 cents per day to own.
- Blocks unwelcome mobile telephone disturbances.
- Comes complete with nothing else to buy.
- Maintain a peaceful and quiet environment for work, worship or relaxation.

Where is the MobileBlocker best used?

- Correctional Institutions.
- Places of Worship (Great and Grand Mosques, etc.).
- Restaurants.
- Museums.
- Libraries.
- Casinos.
- Hospitals.
- Theaters (concert halls, playhouses, opera houses, movie theaters, etc.).
- Business (conferences, board of directors rooms, seminars, meeting rooms).
- Sporting Events (championship tennis and golf tournaments, etc.).
- Prisons.
- Law Enforcement Facilities, Military Installations, Government Buildings.
- Mobile Free Zones (where mobile phone use is a violation of law, safety or fire code).
- Prohibited Areas.
- Offshore Oil Platforms.
- Chemical Storage / Transfer Facilities.
- Educational Facilities (Classrooms, Lectures and Auditoriums.).
- Country Clubs, Private Property, Residences.
- Recording Studios.

INFORMATION

About your MobileBlocker I

Your MobileBlocker I is a low-power radio transmitter. When it is ON, it sends out radio frequency (RF) signals that jam mobile phone and pagers signals, blocking all communications.

In August 1996, the Federal Communications Commission (FCC) adopted RF exposure guidelines with safety levels for wireless products. Since MobileBlocker I sends out lower power signals than handheld wireless phones it follows guidelines that are consistent with the safety standards set by both U.S. and international standards bodies:

- ANSI C95.1 (1992)*
- NCRP Report 86 (1986)*
- ICNIRP (1996)*

Those standards were based on comprehensive and periodic evaluations of the relevant scientific literature. For example, over 120 scientists, engineers and physicians from universities, government health agencies and industry reviewed the available body of research to develop the ANSI standard (C95.1).

The design of your MobileBlocker I complies with the FCC guidelines (and those standards).

*American National Standards Institute, National Council on Radiation Protection and Measurements; International Commission on Non-Ionizing Radiation Protection.



www.gotowti.com

An ISO 9001:2000 Certified Company

WTI (*Wireless Technology, Inc.*)
2064 Eastman Avenue, Suite 113
Ventura, CA 93003-7787 USA

Toll free 888/gotowti

tel 805/339-9696 • fax 805/339-0932 • email: sales@wirelesstech.com
www.gotowti.com • www.wirelesstech.com

MADE IN THE U.S.A.

Due to Wireless Technology, Inc. (WTI) continuing efforts to engineer the best product that is most responsive to our customer's needs, the above specifications are subject to change without notice.