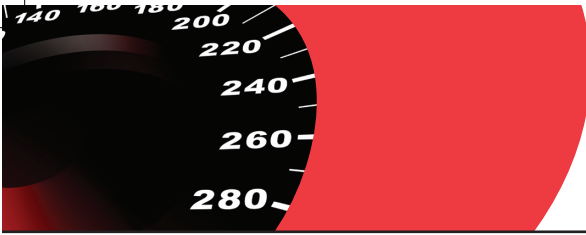


***BLINDER***<sup>®</sup>

**M27 & M47 XTREME**

USER MANUAL

**NO  
MORE  
SPEEDING  
TICKETS**



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### ONLINE PRODUCT SUPPORT

Please check for the latest new help files and additional product information on [www.blinder.dk](http://www.blinder.dk).



## BLINDER M27/M47 USER MANUAL

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### BLINDER M27/M47 USER MANUAL

Thank you for purchasing the advanced Blinder M27/M47 Multi Purpose System which contains functions, such as, Parking-Assist, Garage Door Opener, Gate & Driveway Light Activator and Laser-Protection.

### FIRST START-UP OF THE SYSTEM

As a top performing product the Blinder 7-Series will at first start-up, automatically initialize all connected transponders and in cases where the CPU contains a different or newer software revision, automatically update all connected transponders.

#### **IMPORTANT!**

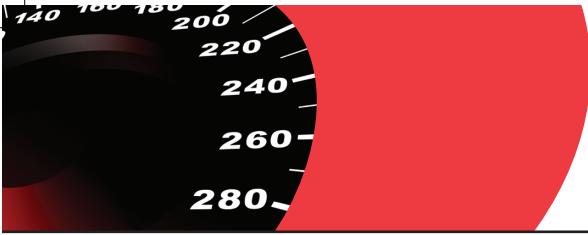
**Do not turn off the power for at least 1 minute during the first start-up process.**

### The following steps will occur during an automatic software update

- Once installation of the system is complete, activate the mode switch to position II for at least 1 minute.
- The Buzzer & LED will indicate the updating process by beeping / flashing with fast intervals.
- Between updating of each single transponder there will be a short break in beeping / flashing.
- This process will be repeated until all transponders are fully updated, witch means two times for M27 and four times for M47. Once all transponders are successfully updated, the system will flash RED and beep two times.
- To start-up the system correctly after updating, switch to position OFF and then back to the mode you wish to use. The system is now ready to perform its function.

### Interrupted during the automatically software update

If the system is interrupted during the updating process, you may end up with a non-working system. In this case, it's possible to download Blinder's repair software to reset the system. For further information please visit our website at [www.blinder.dk](http://www.blinder.dk).



## INSTALLATION GUIDE

### 1. MOUNTING OF TRANSPONDERS (Professional installation is recommended)

It's very important to mount all transponders carefully since the transmitting and receiving infra red laser beam will not pass through any objects, it's essential that all transponders have an unobstructed view of the road, pointing straight ahead, mounted horizontal and parallel to the road surface and driving direction. Please see illustration below.

#### 1.1 BEST LOCATION

Before installation, determine carefully the best location for the transponders. On both the M27 and M47 system mount one transponder on each side of the front or rear license plate with a distance between the two transponders of 50 to 60 cm / 20 to 24 Inch. For the M47 which is designed for bigger SUV's, mount the two additional transponders in the upper grill close to the headlights. For further info please visit [www.blinder.dk](http://www.blinder.dk).

#### 1.2 MOUNTING BRACKETS

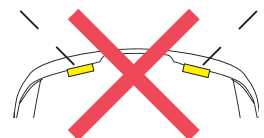
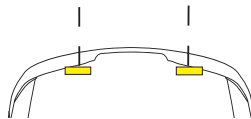
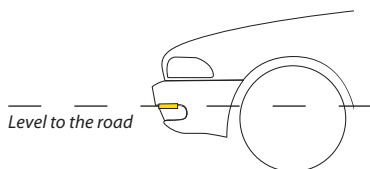
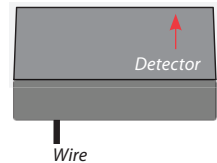
Fit the mounting brackets and transponders together by using the short version of enclosed fitting screws. **WARNING! DO NOT** use the enclosed longer drilling screws to fit the bracket and transponder together, as it will damage the inside electronic and will NOT be covered under the warranty. The longer screws are to be used to fasten the brackets to the car ONLY.

#### 1.3 HORIZONTAL LEVEL ANGLE

Mount the transponders making sure that each transponder is horizontally level to the road and parallel to the driving direction. To ensure a perfect horizontal level angle, fit the enclosed spirit level in one of the cylindrical holes in the front of the lens. After carefully adjusting the angle, tighten the screws on each side of the transponders. Check the level angle and replace the spirit level. Mount the enclosed plugs with the small curved edge on each plugs facing outward.

#### USEFUL TIP FOR OPTIMAL PERFORMANCE

To obtain optimal performance, it is important to install all transponders with the build in detectors oriented outwards!



## INSTALLATION GUIDE

### 2. CPU

Locate a suitable place for the CPU inside the cars' interior. The CPU may not be located in the engine compartment because of heat risk and moisture. Connect all transponders to the CPU indicated by the numbers 1 to 4.

### 3. BUZZER AND LED

Locate a suitable place for the Buzzer & LED, connect the cable to the CPU marked "Alert".

### 4. THE THREE-POSITION SWITCH

Locate a suitable place for the 3-position mode switch, drill a hole of 20mm, draw the cable through the hole and connect it to the CPU.

### 5. CONNECTION TO AUDIO MUTE

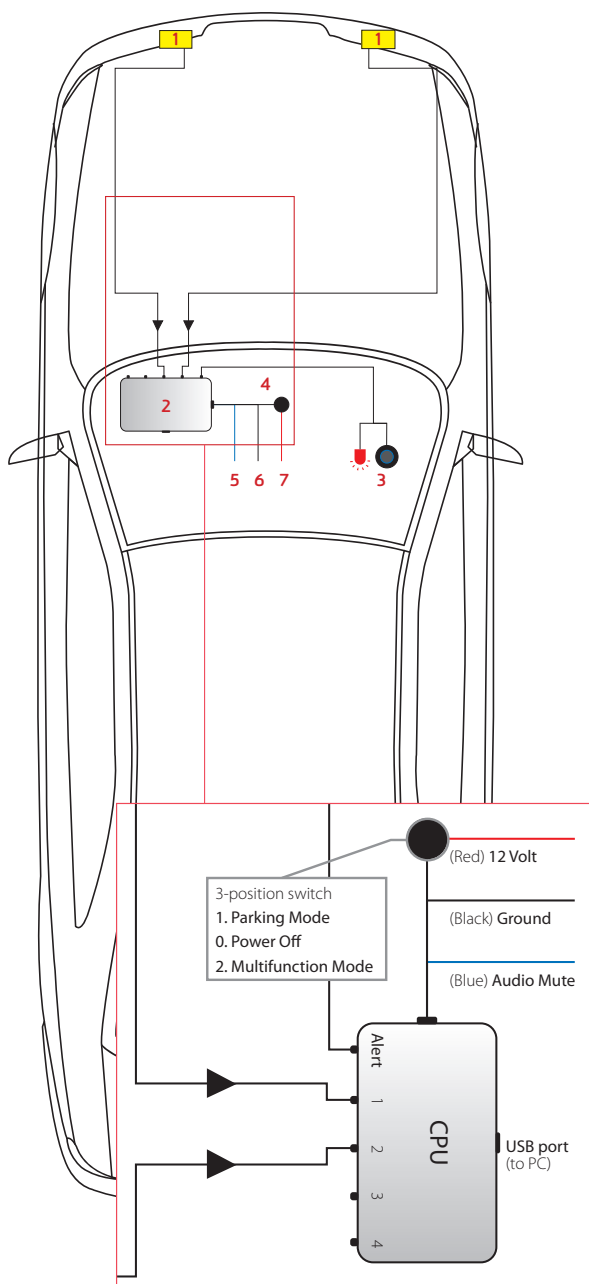
The blue wire from the CPU can be connected to the Car Stereo audio mute and will automatically mute the Car Stereo when the Blinder alerts in multifunction mode (See the Car-Stereo Manual).

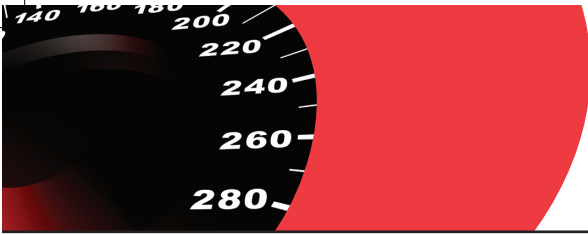
### 6. CONNECTION TO GROUND

Connect the black wire from the 3-position switch to a solid ground (-).

### 7. CONNECTION TO POWER SUPPLY

Connect the red wire (+) from the 3-position mode switch to a solid switched 12-volt.





## HOW TO OPERATE THE BLINDER

### HOW TO OPERATE THE BLINDER M27 / M47

Use the 3-position switch to select the operating mode you wish to use.

The system can switch between position # I, # 0 and # II. After a mode switch, the system will respond with sound / light as explained below. Sound / Light features are adjustable in the Blinder Update Software.

#### SWITCH POSITION # 0 (SYSTEM OFF)

LED OFF

Sound OFF

Always use the position OFF if you want to disconnect any part of the system, during software updating, or for other reasons.

#### SWITCH POSITION # I (PARKING ASSIST MODE / FLASHING GREEN)

(At start-up or mode switch)

LED 1 Red flash

Sound 1 Beep

This mode turns your Blinder into a Parking Assist System and the two color LED changes to flashing GREEN. In Parking Assist mode the system will respond by increasing sound volume of 3 levels when the car is approaching an object. We strongly recommend that you get yourself accustomed to the systems behaviour before using on a public road.

#### USE THE PARKING ASSIST WITH CAUTION!

The Blinder system will detect different objects with uneven effectiveness depending on the color of the object. Bright objects reflect much better compared to dark, and will therefore allow earlier detection and warning. The Blinder system will not detect and alert on glass or other transparent materials. Be especially cautious when parking close to shop windows and similar transparent objects. Always be aware and watch for hidden objects near the car such as children and animals that may not be detected by the system. Please use common sense and visually survey in all parking situations and do NOT rely 100% on the Park Assist feature.

#### **IMPORTANT TO KNOW!**

While the system is in parking mode, the system will NOT respond to any incoming laser pulses!

## SOFTWARE UPDATE

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### SWITCH POSITION # II (MULTIFUNCTION MODE / CONSTANT GREEN)

(At start-up or mode switch)

LED 2 Red flashes

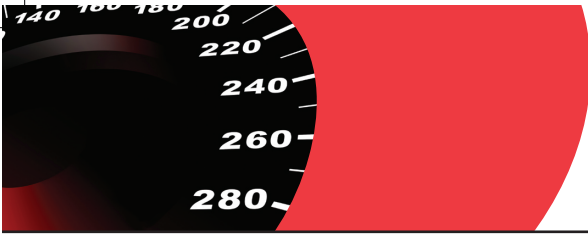
Sound 2 Beeps

This mode turns your Blinder system into a Multifunction system and the two color LED changes to constant GREEN. In this mode the system will detect and respond to all selected incoming 905nm laser pulses. At laser alert, the LED changes from constant GREEN to RED and the Buzzer alerts simultaneously as long as selected laser pulses receives. To prevent interfering with 905nm laser based systems, such as police speed equipment, the Blinder system will automatic stop transmitting after 7 Sec. and go into a 60 Sec. timeout/sleeping mode. After the 60 Sec. timeout/sleeping mode, the system goes automatically back to active mode, indicated by a short single beep / RED flash. The limited transmitting time feature is adjustable in Blinder Update Software. For further info please visit: [www.blinder.dk](http://www.blinder.dk)

### SOFTWARE UPDATE

1. Download the Blinder Update Software to your laptop or desktop PC at [www.blinder.dk](http://www.blinder.dk)
2. Turn OFF the power on the Blinder system.
3. Connect a USB cable between the Blinder CPU and a laptop or PC. When updating the CPU using a PC, remove the CPU from the car and connect it to the PC.
4. Select the file in the Blinder Update Software you wish to upload to the Blinder CPU. Click on the CPU Firmware button and the CPU will be updated within 1 minute. **DO NOT disconnect the CPU during the updating.**
5. Disconnect the USB connection between the CPU and laptop/PC. Reinstall the CPU in the car, if updating has been made on a PC.
6. Activate the mode switch to position II for at least 1 minute and the CPU will start to update all transponders one by one. The Buzzer / LED will indicate the updating process by beeping / flashing with fast intervals. Between updating of each single transponder there will be a short break in beeping / flashing and the process will be repeated until all transponders are fully updated. (M27 two times, M47 four times) Once all transponders are successfully updated, the system will flash RED and beep two times.
7. To start-up the system correctly after updating, switch to position OFF and then back to the mode you wish to use. The system is now ready to perform its function.

To ensure keeping the Blinder system fully updated, please visit our website at [www.blinder.dk](http://www.blinder.dk) frequently to look for new software revisions and stay protected against new laser speed equipment in the future. The Blinder Update Software furthermore allows personal customized settings as limited jamming time and access to new product features.



## *SPEEDING TICKET PROGRAM*

### **SPEEDING TICKET PROGRAM (USA ONLY)**

Blinder USA offers a Speeding Ticket Program. Please sign up at [www.blinder.dk](http://www.blinder.dk)

### **BLINDER PRODUCT WARRANTY**

The warranty covers all defects in materials and workmanship. The warranty does not apply if the unit has been subject to physical abuse, improper installation, modification, or if the housing or serial/type number labels on units have been removed.

Blinder International manufactures its products using parts and components, which are new or equivalent to new in accordance with industry standard practices. The enforceability of this warranty is limited to the original consumer purchaser. It is not transferable to, or enforceable by, any subsequent owner.

In the event of a defect, malfunction or other failure to conform to this warranty, Blinder International will, at its sole discretion, repair or replace the unit at no charge. The customer is responsible for all shipping costs in connection with warranty service pursuant to this warranty.

The warranty commences on the date of the retail purchase and shall be effective for the minimum period set by each country's laws. This period can be extended to 2 year by registering the product as instructed below within 30 days from purchasing. There are no express warranties covering the unit other than those set forth in this warranty. All implied warranties are limited to the period of the warranty and no warranties, expressed or implied, extend beyond this period.

Blinder International will in no event be liable for any consequential, incidental, indirect or special damages (including, but not limited to, lost profits) arising out of or in connection with the use, misuse or malfunction of the unit. Some states do not allow the exclusion of limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

#### **WARNING!**

Do not look directly into the Blinder M27 / M47 with the naked eye at close range. You won't see anything, but you might cause eye damage after prolonged exposure as the Blinder M27 / M47 emits high-power infra red (IR) light, which is not visible to the human eye.

#### **WARNING!**

Blinder International does not advocate exceeding the legal speed limits, and shall not be held responsible for any injuries that could occur due to improper installation or usage of the product.



## PRODUCT REGISTRATION

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### PRODUCT REGISTRATION

Important: This registration entitles you as the owner to 2 years warranty and free software updates at [www.blinder.dk](http://www.blinder.dk)!

# PRODUCT REGISTRATION

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

Country \_\_\_\_\_

E-mail \_\_\_\_\_

Retailer / web shop \_\_\_\_\_

Date of purchase \_\_\_\_\_

Product name \_\_\_\_\_

Serial number

*(Find the serial number on the CPU)*

**BLINDER INTERNATIONAL  
INDUSTRIVEJ 51 F, TV.  
DK-4000 ROSKILDE  
DENMARK**

**NO  
MORE  
SPEEDING  
TICKETS**

## PRODUCTS



### BLINDER M27 COINTAINS:

- 2 Transponders
- 1 CPU
- 1 CPU Wiring Kit
- 1 Mounting Kit

### BLINDER M47 CONTAINS:

- 4 Transponders
- 1 CPU
- 1 CPU Wiring Kit
- 1 Mounting Kit

## WARRANTY SERVICE

To obtain service during the warranty period, please contact your distributor for instructions.

## REGISTER YOUR PRODUCT

Register your product and extend your warranty period to 2 years. You can register by sending the registration card (enclosed in this manual) or register at [www.blinder.dk](http://www.blinder.dk).

# **BLINDER®**

## **GET THE MOST OUT OF YOUR BLINDER**

Stay protected with software updates at [www.blinder.dk](http://www.blinder.dk)

This product is covered by U.S. Patent No. 6,833,910,  
European Patent No. 1549969 and other patents.  
Blinder is registered trademark of Blinder International, Denmark

## **REGISTER YOUR PRODUCT**

Register your product and extend your warranty period to 2 years.  
You can register by sending the registration card, (enclosed in this  
manual) or register at [www.blinder.dk](http://www.blinder.dk)

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