MOTORCYCLE LASER JAMMER AND PARKING SENSOR SYSTEM MANUAL

ADAPTIV TECHNOLOGIES
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www.AdaptivTech.com
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INTRODUCTION

Dear *TPX™ Motorcycle Laser Jammer and Parking Sensor System* Owner,

Congratulations on your purchase of the re-designed *TPX™ Motorcycle Laser Jammer and Parking Sensor System*! This System is the result of years of research and development by the motorcycle-minded engineers who started the company.

This *System* is not cluttered with unnecessary features. Its simple and straightforward design allows you to focus on your ride, while enjoying peace-of-mind protection.

Our goal is to provide you with the highest quality products designed specifically for motorcycles. Enjoy your new *TPX™ Laser Jammer and Parking Sensor System*. Enjoy your ride, and ride safe.

Sincerely
Adaptive Technologies
SAFETY WARNING

When using the TPX™ Laser Jammer and Parking Sensor System and its associated components, it is the sole responsibility of the operator to install all components properly and to ensure that they will not interfere with safe operation of the vehicle, nor will they cause any personal injury or damage in the event of an accident. The operator should operate the vehicle in a safe manner while using the system and its components. The operator should not use the system if it is distracting, unsafe, or dangerous to do so.

Warning: Using this product is not a license to speed! Always ride safely and obey traffic laws.

Warning: It is your responsibility to be familiar with all laws applicable to the possession and use of laser jammers in your locality. The manufacturer and retailer assume no responsibility for any use or application of this product in violation of any applicable law. Please check your state and local laws and regulations before installing this product.

Warning: Do not look directly into the transponder! The Transponder emits a powerful infrared beam of light which is not visible, but can cause eye damage from prolonged exposure!

PACKAGE CONTENTS

- TPX™ Laser Jammer and Parking Sensor Transponder (2)
- TPX™ Laser Jammer and Parking Sensor Interface Box (1)
- TPX™ Laser Jammer and Parking Sensor Control Switch (1)
- TPX™ Laser Jammer and Parking Sensor Control Switch Mounting Tape (1)
- TPX™ Visual Alert (1)
- TPX™ Visual Alert Mounting Tape (1)
- TPX™ Laser Jammer and Parking Sensor Bracket (2)
- TPX™ Laser Jammer and Parking Sensor Bracket Mounting Tape (2)
- TPX™ Laser Jammer and Parking Sensor Bracket Screw (4)
- TPX™ Laser Jammer and Parking Sensor Bracket Washer (4)
- TPX™ Laser Jammer and Parking Sensor Screw (4)
- Spirit Level (1)
- Cable Tie (8)
- Female T-Tap Connector (1)
- USB Gender (1)
- Product Manual (1)
- Product Registration Form (1)
PRODUCT OVERVIEW

The TPX™ Laser Jammer and Parking Sensor System is designed specifically for motorcycle use. It is to be used as a standalone system.

When the Transponder detects an incoming laser signal, it automatically jams the laser gun to prevent a speed reading. The rider is notified of the signal with the flashing Visual Alert. An audio output jack is provided for optional integration with a sound/communication system. Brightness, volume, and power are managed with the Control Switch.

The TPX™ Laser Jammer and Parking Sensor System is waterproof, vibration proof, and easy to use. It is powered through the bike’s 12V electrical system and can be upgraded with the latest software releases via the internet.

Figure 1a
Figure 1b

Figure 1c
USING THE TPX™ MOTORCYCLE LASER JAMMER AND PARKING SENSOR SYSTEM

INSTALLATION

Warning: Installation of the TPX™ Motorcycle Laser Jammer and Parking Sensor System should be performed by a qualified technician. Improper installation may interfere with the safety and proper operation of the product and/or vehicle.

Mounting the Transponder

The TPX™ Laser Jammer and Parking Sensor System includes two Transponders to be mounted on the front of the bike. An additional Transponder for rear protection is available separately.

Use the included Bracket Screws and Brackets to loosely secure the Transponders as shown in Figure 2.

Warning: Use only the Bracket Screws to secure the Brackets to the Transponder. Any other screws will damage the Transponder and void the warranty.

Choose an appropriate location on the front of the motorcycle to mount the Transponders. The ideal location is usually on the fairing, under the front headlight. The Transponders will need to be mounted as parallel to the road as possible.
possible with a clear line of sight straight ahead. They should also be both as close to the headlight as possible and as far apart from each other as possible.

With the Spirit Level, adjust the Transponder until it is parallel to the ground and mount the Transponders with Bracket Screws and Bracket Washers, Mounting Tapes, or other custom mounting method. It is recommended to have someone sit on the motorcycle to simulate the motorcycle’s actual riding position while this adjustment is being performed.

Warning: The Jammer Bracket Screws, Jammer Bracket Washers, and Jammer Bracket Mounting Tapes are included for your convenience. They will work on most motorcycles. However, all motorcycles are different and it is your responsibility to determine the best method of securing the system to your bike. Adaptiv Technologies, LLC is not responsible for any vehicle damage resulting from improper mounting.

Since laser is rarely used to target vehicles from behind, one Transponder should be sufficient for the rear of the vehicle. Additional Transponder and Transponder License Plate Bracket are available separately.

Mounting the Visual Alert

The Visual Alert is designed to be mounted on any part of the motorcycle that is easily seen by the rider. The LEDs should be pointed directly at the rider’s face.

There are two mounting options for the Visual Alert.

Option 1: Using Double-Sided Adhesive Tape

- Determine an appropriate location for mounting the Visual Alert. The surface directly above the gauges is an ideal location on many motorcycles.

- Clean the bottom surface of the Visual Alert and the chosen mounting surface on the motorcycle with alcohol or mild soap and water. Rinse with water to remove all traces of soap.
• Once the surfaces are clean and dry, remove one liner of the Visual Alert Mounting Tape and apply to the bottom surface of the Visual Alert.

• Remove the other liner of the Visual Alert Mounting Tape and apply the Visual Alert to the chosen mounting surface on the motorcycle using firm pressure.

• Allow mounted assembly to sit overnight while tape increases bond strength.

Option 2: Using Cable Ties

• Determine an appropriate location for mounting the Visual Alert.

• Fasten with Cable Ties as shown in Figure 3.

Mounting the Control Switch

• Determine an appropriate location for mounting the Control Switch. The best location is one that is easily accessible while riding.

• Clean the chosen mounting surface on the motorcycle with alcohol or mild soap and water. Rinse with water to remove all traces of soap.

• Once the surface is clean and dry, remove the liner of the Control Switch Mounting Tape and apply the Control Switch to the chosen mounting surface on the motorcycle with firm pressure.

• Allow to sit overnight while tape increases bond strength.
WIRING THE TPX™ LASER JAMMER AND PARKING SENSOR SYSTEM

General

Wire the system according to the wiring diagram in Figure 4. Secure all loose wires with included Cable Ties.

Power

To provide power to the System, connect the red (+) terminal cable to a 12V, 14Ga-16Ga switched power wire with the provided Female T-Tap Connector. Connect the black (Ground) cable to a ground.

⚠️ Warning: If the System is not connected to a 12V power source that is switched off when the ignition is turned off, it will continue to draw a small amount of power and could drain the bike’s battery and/or function improperly.

⚠️ The TPX™ Laser Jammer and Parking Sensor System is designed to be powered by a switched 12V power source. If the motorcycle’s power output is not 12V, a voltage adaptor is required.
Transponder

Connect the two Transponders to the connectors labeled “FR1” and “FR2” on the Interface Box.

If a third (optional) Transponder is used, connect it to the connector labeled “RE1” on the Interface Box.

Visual Alert

Connect the Visual Alert to the connector labeled “Visual Alert” on the Interface Box.

Control Switch

Connect the Control Switch to the connector labeled “Switch” on the Interface Box.

AUX

The connector labeled “AUX” on the Interface Box provides a stereo audio output signal. This audio signal can be utilized with any number of communication systems. The connector is a 3.5mm female stereo jack. Contact your communication system manufacturer for appropriate adapter device.

USB

When upgrading the software, follow the instruction on our website and connect an USB Drive (not included) to the connector labeled “USB” on the Interface Box using the provided USB Gender.

OPERATION

When the Transponder detects an incoming laser signal, it instantly sends out a jamming signal to prevent a speed reading on the laser gun. The Visual Alert will notify you of this signal, as will an alarm signal through the AUX Out connector (if connected).
Power

Press and hold the button for three seconds to turn the system on and off.

Function Selection

Press and hold the button for one second to switch between Parking Sensor and Laser Jammer function. When the system is in Parking Sensor function the Control Switch light will be blue and when the system is in Laser Jammer function the Control Switch light will be in red.

Auto Shut-Off

The default setting of TPX™ Laser Jammer and Parking Sensor System has Auto Shut-Off feature activated, where the System will sense, alert, and jam any incoming laser signal for 3 seconds. After 3 seconds the System will shut itself off. This allows the laser gun to obtain a reading only AFTER you have had 3 seconds to check your speed. To turn the System back on, press and hold the button for three seconds.

Pressing the button momentarily will toggle between activating and deactivating Auto Shut-Off. A single flash on the Control Switch light and a single beep through the AUX port indicate Auto Shut-Off activation, a double flash on the Control Switch light and a double beep through the AUX port indicate Auto Shut-Off deactivation.

Volume and Brightness Control

Press and hold the button for one second to toggle between Volume and Brightness adjustment modes. The Volume adjustment mode is indicated with a single flash on the Control Switch light and a single beep through the AUX port and Brightness adjustment mode is indicated with a double flash and a double beep through the AUX port. Press the button momentarily to scroll through the four levels of Volume and Brightness levels. Scroll to the desired Volume or Brightness level and the Control Switch will flash multiple times indicating the desired Volume or Brightness level has been set.

Warning: The flashing LEDs of the Visual Alert can be extremely bright, especially at night time. It can be distracting and dangerous if you are not familiar with the brightness level. Before riding with the Visual Alert, especially at night, take the time to familiarize yourself with the system in a safe, controlled setting.
Parking Sensor Function

In Parking Sensor Function, the System will alert if there is an object within 3 feet in front of the Transponder.

Software Updates

Software updates are available online. When an update is available, connect a flash USB drive (not included) and follow the instructions online.

TROUBLESHOOTING

If your TPX™ Laser Jammer and Parking Sensor System is not operating properly, please refer to the following guide:

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible Causes</th>
<th>Possible Solutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>System will not turn on</td>
<td>System not properly connected to power source</td>
<td>Check fuse, replace with a 3A fuse if necessary</td>
</tr>
<tr>
<td></td>
<td>Vehicle not turned on</td>
<td>Check power connections</td>
</tr>
<tr>
<td></td>
<td>System power off</td>
<td>Turn vehicle on</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Press and hold button for three seconds with vehicle turned on</td>
</tr>
<tr>
<td>System does not operate properly</td>
<td>Software update interrupted</td>
<td>Go to <a href="http://www.AdaptivTech.com/support">www.AdaptivTech.com/support</a> to download the latest software</td>
</tr>
<tr>
<td>System drains motorcycle's battery over time</td>
<td>System is not connected to switched power source</td>
<td>Connect power to switched power source that turns on/off with ignition.</td>
</tr>
<tr>
<td>System resets when vehicle goes over a bump</td>
<td>Poor electrical connection</td>
<td>Check power connections</td>
</tr>
<tr>
<td>System did not register a signal when driving past a police vehicle</td>
<td>Police laser is not turned on</td>
<td>Slow down and remain cautious</td>
</tr>
<tr>
<td></td>
<td>Police laser is not pointed directly at your vehicle</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Non-laser detection methods are being used</td>
<td></td>
</tr>
</tbody>
</table>
MAINTENANCE AND CARE

- The TPX™ Laser Jammer and Parking Sensor System is weather resistant. It is designed to withstand temporary exposure to moisture, such as rain or fog. However, it should not be exposed to moisture for a prolonged period of time. Do not hose the system down. Do not submerge the System as this will void the warranty.

- Clean the System components with a damp lint-free cloth only. Do not use any chemicals as they may attack the plastic.

- Dry the System components with a lint-free cloth after it has been exposed to moisture.

- Keep the Transponder lens clean to maintain optimal function. The Transponder strength may decrease if the lens becomes scratched.

SERVICE

Warranty Service
If you believe that your TPX™ Laser Jammer and Parking Sensor System is not functioning properly:

1. Review the Troubleshooting section.

2. If your problem is not resolved after reviewing the Troubleshooting section, have your serial number ready and call us at 646-722-0253. We will try to resolve your problem over the phone.

3. If your system needs to be returned for repair, we will provide you with a Return Merchandise Authorization (RMA) Number and a shipping address. Write the RMA Number on the outside of the shipping box. Include the following items in your shipment:
   a. Items needing repair.
   b. Copy of sales receipt (originals cannot be returned).
   c. Your name, phone number, address, and email address (we promise not to spam).
All shipment must be sent prepaid by way of a traceable carrier, such as UPS, FedEx, USPS Priority Mail with Tracking, etc., and should be insured. Adaptiv Technologies is not responsible for any loss or damage incurred during shipping.

Warranty service will only be honored for units purchased from authorized agents.

Repairs will not be performed on units without a readable serial number.

Please allow 4-8 weeks for the return of the system.

**Non-Warranty Service**
For all non-warranty service, follow the same procedure described in the Warranty Service section and include a non-refundable payment of $150 for basic diagnostics and repair. Do not send cash. If there are any additional charges, we will notify you before performing the repair.

**WARRANTY**
Adaptiv Technologies, LLC warrants to the original purchaser that the TPX™ Laser Jammer and Parking Sensor System will be free of defects in workmanship and materials for a period of one year from the date of first consumer purchase. The TPX™ Laser Jammer and Parking Sensor System consists of the Interface Box, two Transponders, Visual Alert, the Control Switch, and the respective parts of each. Adaptiv Technologies will, at its option, repair or replace defective parts upon delivery to Adaptiv Technologies accompanied by the original sales receipt or other proof of first consumer purchase within the warranty period. You are responsible for all charges required to ship the product for warranty service, but the return charges will be at Adaptiv Technologies’ expense if the product is repaired or replaced under warranty. This warranty gives you specific rights, and you may also have other rights which vary from state to state.

EXCLUSIONS: This limited warranty does not apply:

1. To any products sold separately (such as any mount assemblies);
2. To any defects caused by misuse, abuse, accidents, modifications, negligence, tampering, or unauthorized repair;
3. In any State or country or jurisdiction in which possession of laser jamming equipment is illegal;
4. If the serial number has been altered, defaced, or removed; or
5. To installation of the unit.

**ALL IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED IN DURATION TO THE PERIOD OF THIS WARRANTY*.**

* Some states do not allow limitations on the duration of implied warranties and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations may not apply to you.

**SPECIFICATIONS**

Classification:
1M Eye Safe Laser

Wavelength:
905 nanometers

Operating Temperature Range:
-20°C to +80°C (-4°F to +176°F)

Power Requirements:
12V DC

Fuse:
3A

PATENTS PENDING
ACCESSORIES
The following accessories and replacement parts are available for purchase. For more information, go to www.AdaptivTech.com or call us at 646-722-0253.

*TPX™ Laser Jammer Transponder*
*TPX™ Laser Jammer License Plate Bracket*
*TPX™ Visual Alert*
*TPX™ Wireless Headset*
*TPX™ Motorcycle Radar and Laser Detector System and accessories*
*AdaptivMount™ Motorcycle Accessory Mounts*

Adaptiv Technologies, LLC
www.AdaptivTech.com

646-722-0253