**Directed RFLUB**

# Directed Electronics RFLUB Universal RF Loop

Model: RFLUB

## Introduction

The Directed Electronics RFLUB Universal RF Loop is designed to integrate with compatible vehicle security and remote start systems, specifically the Optimax series DLPK module. This device functions as an RF transponder ring, enabling the DLPK module to operate as a combined door lock and transponder bypass solution. It is crucial to note that a preprogrammed transponder pellet is required for its operation and is not included with this unit.

## Setup

### 1. Component Requirements

- Optimax series DLPK module (sold separately)
- Preprogrammed transponder pellet (not included)

### 2. Installation Steps

1. Ensure the vehicle's ignition is off and the battery is disconnected for safety.
2. Locate the appropriate connection port on your Optimax series DLPK module. Refer to the DLPK module's instruction manual for specific port identification.
3. Carefully plug the RFLUB Universal RF Loop into the designated port on the DLPK module. Ensure a secure connection.
4. Insert the preprogrammed transponder pellet into the RFLUB unit. The exact placement may vary; consult the DLPK or RFLUB packaging for visual guidance.
5. Mount the RFLUB unit securely within the vehicle, ensuring the RF loop is positioned correctly around the vehicle's ignition cylinder or transponder antenna, as per the DLPK module's requirements. This positioning is critical for proper transponder signal detection.
6. Reconnect the vehicle battery and proceed with any necessary programming or testing as outlined in your DLPK module's instruction manual.

***Important:*** *The RFLUB unit itself does not require separate programming; its function is to provide the RF signal path for the transponder pellet to the DLPK module. All programming related to transponder bypass will be performed through the DLPK module.*

## Operating Principles

Once properly installed and connected to a compatible DLPK module with a preprogrammed transponder pellet, the RFLUB Universal RF Loop facilitates the communication between the vehicle's immobilizer system and the DLPK module. When the remote start or security system initiates, the RFLUB captures the signal from the transponder pellet and relays it to the DLPK module, which then bypasses the vehicle's factory immobilizer, allowing the engine to start. This process is automatic and requires no user intervention during normal operation.

## Maintenance

The Directed Electronics RFLUB Universal RF Loop is designed for maintenance-free operation. To ensure continued reliability:

- Periodically inspect all connections to the DLPK module to ensure they remain secure.
- Keep the unit free from excessive dust or moisture.
- Avoid physical damage to the RF loop or its wiring.

## Troubleshooting

### Engine Fails to Start / Immobilizer Error

- **Check Connections:** Ensure the RFLUB is securely plugged into the DLPK module and that the DLPK module itself is correctly installed.
- **Transponder Pellet:** Verify that the correct preprogrammed transponder pellet is properly inserted into the RFLUB unit. Ensure the pellet is functional.
- **RF Loop Positioning:** Confirm the RF loop is correctly positioned around the vehicle's ignition cylinder or transponder antenna. Improper placement can hinder signal detection.
- **DLPK Module Status:** Consult the DLPK module's diagnostic indicators or manual for specific error codes or troubleshooting steps related to transponder bypass.

### Issues with New Key Registration

Some vehicles may require all keys and transponders to be re-registered when a new key is paired. If this situation arises, the RFLUB unit may need to be temporarily disassembled to access the transponder pellet for the re-registration process. After re-registration, reassemble the RFLUB and ensure proper functionality of the remote start system. Consult a professional automotive technician for assistance with complex key programming procedures.

## Specifications

| Feature | Detail |
|---|---|
| Model Number | RFLUB |
| Item Weight | 0.96 ounces |
| Product Dimensions | 3 x 2 x 2 inches |
| ASIN | B002JIN4Z4 |
| Compatibility | Optimax series DLPK module (requires preprogrammed transponder pellet) |

| Feature | Detail |
| --- | --- |
| Date First Available | December 19, 2005 |

## Warranty and Support

Information regarding the specific warranty terms for the Directed Electronics RFLUB Universal RF Loop is not available in the provided product data. Please refer to the product packaging, the official Directed Electronics website, or contact your authorized dealer for detailed warranty information and technical support.

## Product Images

No product image URLs were provided in the source data. Please refer to the product's official listing or packaging for visual references.

## Official Product Videos

No official product video URLs were provided in the source data. Please refer to the product's official listing or manufacturer's website for any available video content.