

EASYGUARD EC211PP-BM2-NFC-D1

EASYGUARD EC211PP-BM2-NFC-D1 CAN Bus Smart Key PKE Remote Starter User Manual

For BMW 3 Series F30, F31, F34, F35, M3 F80 with Automatic Transmission

1. INTRODUCTION

The EASYGUARD EC211PP-BM2-NFC-D1 system upgrades your compatible BMW vehicle with advanced features including Passive Keyless Entry (PKE), remote engine start/stop, and NFC card lock/unlock functionality. This manual provides essential information for understanding, operating, and maintaining your new system.



Image: All components included in the EASYGUARD EC211PP-BM2-NFC-D1 system.

2. PRODUCT OVERVIEW

The EC211PP-BM2-NFC-D1 system includes the following main components:

- Control Module
- Key Fobs (2 included)
- HF Antenna
- PKE Antenna
- Bypass Module
- NFC Card
- Main Wire Harness
- Push Start Button

Optional accessories, such as a BT001 or 4G LTE module for smartphone app control and GPS tracking, can be purchased separately.

Accessories



Key fobs



Control module



HF antenna



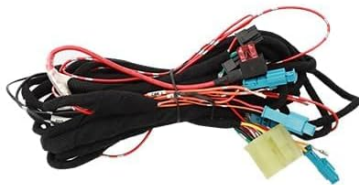
PKE antenna



Bypass module



NFC card



Main wire harness

Optional (default without), can buy additionally



or



BT001 or 4G LTE module


Image: Detailed view of all included accessories.

3. COMPATIBILITY

This system is designed for specific BMW 3 Series models with a factory OEM push-start button and automatic transmission. It is not compatible with manual transmission or hybrid versions.

Compatible BMW Models

Compatibility	Car Required	Model No.	Year	Factory OEM Key Fobs Style
Fit for BMW 3 Series	Push to start	F30	2012-2018	
		F31	2012-2018	
		F34	2013-2020	

Compatibility	Car Required	Model No.	Year	Factory OEM Key Fobs Style
		F35	2012-2019	
Fit for BMW M3	Push to start	F80	2014-2018	

Your car's original key fob should be the trapezoid-shaped 3 or 4-button key as shown in the table.

EC211PP-BM2-NFC-D1

This item fit for following BMW cars

Compatibility	Car required	Model NO.	Year	Factory OEM key fobs style
fit for BMW 3 series	Push to start	F30	2012-2018	
	Push to start	F31	2012-2018	
	Push to start	F34	2013-2020	
	Push to start	F35	2012-2019	
fit for BMW M3	Push to start	F80	2014-2018	

Image: Detailed compatibility chart for the system.

4. SETUP AND INSTALLATION

This system requires a semi-plug-and-play installation. Some wiring connections are still necessary. Professional installation by a trained alarm installer is highly recommended.

4.1. Immobilizer Bypass

One factory key fob is required to be placed inside the bypass module to manage the car's chip immobilizer.

Soldering with the factory original key and the bypass module may be necessary.

4.2. Antenna Placement

Proper placement of the PKE antennas is crucial for optimal performance of the passive keyless entry feature.

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Video: This video demonstrates the installation process for the PKE antenna, showing recommended placement for optimal signal reception.

5. OPERATING INSTRUCTIONS

5.1. Key Fob Functions

Button function



- **Lock/Arm:** Press the lock button once.
- **Unlock/Disarm:** Press the unlock button once.
- **Remote Start/Stop:** In lock/arm status, hold the siren icon button on the key fob for 3 seconds to remote start the car. Hold it again for 3 seconds to shut off the car.
- **Trunk Release:** Continue to press the trunk release button twice to open the trunk.

5.2. Passive Keyless Entry (PKE)

The PKE feature automatically unlocks or locks your car doors as you approach or walk away from the vehicle with the key fob. The system will unlock when you are within 3-6 feet and lock when you move 3-6 feet away.



Image: PKE passive keyless entry and remote trunk release functionality.

Your browser does not support the video tag.

Video: This video demonstrates the PKE passive keyless entry, remote start, and NFC features of the EASYGUARD EC211PP-BM2 system for BMW.

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Video: This video showcases the PKE and remote start functionalities of the EASYGUARD EC211PP-BM2 D1 D2 version.

5.3. NFC Card Lock/Unlock

Use the provided NFC card to lock or unlock the car door. This feature provides an alternative entry method without the key fob.

Remote Engine Start/stop

Remote start/stop method: In lock/arm status, hold the siren icon button on key fobs for 3 seconds to remote start the car, and hold it again for 3 seconds to shut off the car



Upgrade your car with NFC lock or unlock

Use NFC card to lock or unlock the car door & drive your car away

* You can add 4pcs NFC card maximum

Image: NFC card lock/unlock and remote engine start/stop.

5.4. Smartphone App Control (Optional)

The system can be upgraded with smartphone app control and 4G LTE GPS tracking by purchasing an extra GPS002-AA 4G LTE module. This allows for remote control and monitoring via your smartphone.

Your browser does not support the video tag.

Video: This video demonstrates the PKE passive keyless entry, remote start, and NFC features of the EASYGUARD EC211PP-BM2 system for BMW, which can be integrated with smartphone app control.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your system.

- **Key Fob Batteries:** The key fobs require 2 CR2 batteries (included). Replace them when the range decreases or the indicator light dims.
- **System Check:** Periodically test all functions (PKE, remote start, lock/unlock) to ensure they are working correctly.

7. TROUBLESHOOTING

If you encounter issues with your EASYGUARD system, refer to the following common troubleshooting steps:

- **Remote Start Failure:** Ensure the vehicle is in park, doors are closed, and the hood is shut. Check key fob battery.
- **PKE Not Working:** Verify key fob battery. Ensure no strong electromagnetic interference is present. Check PKE antenna connections.
- **NFC Card Issues:** Ensure the NFC card is correctly positioned over the sensor.
- **General Malfunction:** Check all wiring connections to the control module. If issues persist, contact professional support.

8. SPECIFICATIONS

Feature	Detail
Item Weight	2.86 pounds
Product Dimensions	9.45 x 6.69 x 3.94 inches
Item Model Number	EC211PP-BM2-NFC-D1
Batteries	2 CR2 batteries required (included)
Wireless Remote	Yes
Compatible Devices	BMW 3 series F30, F31, F34, F35
Manufacturer	ieasyguard.com

9. WARRANTY AND SUPPORT

The EASYGUARD EC211PP-BM2-NFC-D1 system comes with a **1-year warranty** from the date of purchase. For technical support or warranty claims, please contact your installer or refer to the manufacturer's website: ieasyguard.com.