

EASYGUARD EC211PP-BM2-NFC-C1

EASYGUARD EC211PP-BM2-NFC-C1 Smart Key PKE Passive Keyless Entry Remote Starter Instruction Manual

Model: EC211PP-BM2-NFC-C1 | Brand: EASYGUARD

1. INTRODUCTION

This manual provides detailed instructions for the installation and operation of your EASYGUARD EC211PP-BM2-NFC-C1 Smart Key PKE Passive Keyless Entry Remote Starter system. This system is designed to enhance your vehicle's convenience and security with features such as passive keyless entry, remote engine start/stop, and NFC card lock/unlock functionality. Please read this manual thoroughly before installation and use.

2. WHAT'S IN THE BOX

The EASYGUARD EC211PP-BM2-NFC-C1 system includes the following components:

- Control module
- Key fobs (2 CR2 batteries included)
- Wire harness
- HF antenna
- PKE antenna
- Bypass module
- NFC card

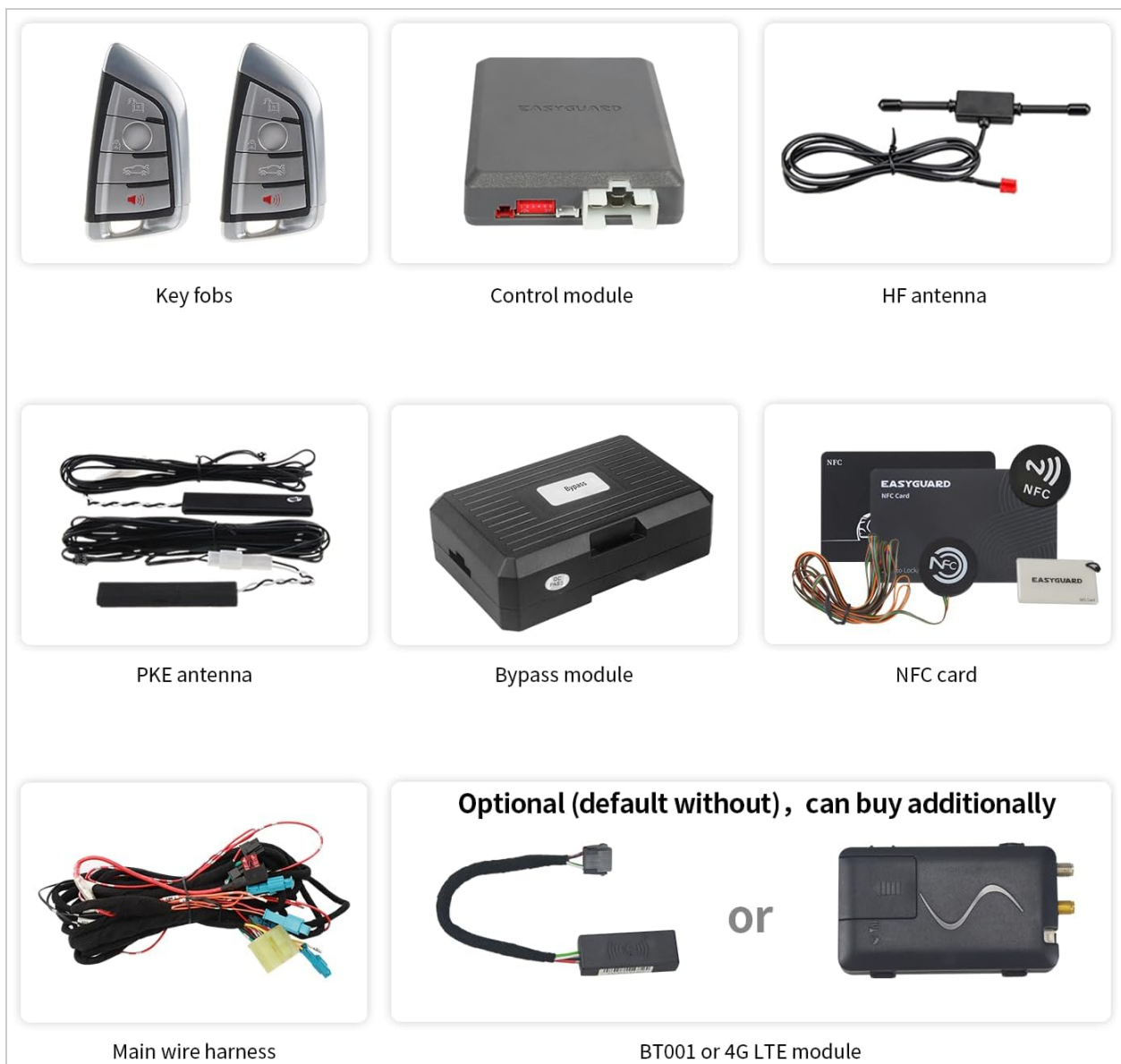


Figure 1: All components included in the EASYGUARD EC211PP-BM2-NFC-C1 kit, including the control module, key fobs, various antennas, bypass module, NFC card, and wiring harnesses.

3. COMPATIBILITY

This system is specifically designed for certain BMW models with a factory OEM push-to-start button and automatic transmission (petrol/diesel engine). It is not compatible with manual transmission or hybrid versions.

Compatible BMW Models:

- **BMW 1 Series:** E81, E82, E87, E88
- **BMW 3 Series M3:** E90, E91, E92, E93
- **BMW 5 Series M5:** E60, E61

The factory original key fobs must be a 3-button rectangular key style. It will not work with U-shaped or diamond-shaped keys.

EASYGUARD

EC211PP-BM2-NFC-C1

CAN BUS Semi Plug & Play PKE Passive keyless Entry Remote Starter

fit for BMW 1 series E81, E82, E87, E88, 3 series E90, E91, E92, E93 5 Series E60, E61



Figure 2: Detailed compatibility chart for the EC211PP-BM2-NFC-C1 system, listing specific BMW 1, 3, and 5 Series models (E81, E82, E87, E88, E90, E91, E92, E93, E60, E61) and their corresponding years, along with an image of the compatible factory OEM key fob style.

4. SETUP AND INSTALLATION

Due to the complex nature of this installation, it is highly recommended that this item be installed by a trained professional or a certified alarm installer. One factory key fob is required to be placed inside the bypass module to manage the car's chip immobilizer.

4.1 PKE Antenna Installation

Proper placement of the PKE antennas is crucial for optimal passive keyless entry functionality. Refer to the video below for guidance on antenna placement.

Video 1: This video demonstrates the correct installation procedure for the PKE (Passive Keyless Entry) antennas within the vehicle. Proper placement ensures reliable automatic locking and unlocking.

5. OPERATING INSTRUCTIONS

5.1 Remote Engine Start/Stop

To remotely start your vehicle:

1. Ensure the car is in a locked/armed status.
2. Hold the siren icon button on your key fob for 3 seconds.

To remotely shut off your vehicle:

- Hold the siren icon button on your key fob again for 3 seconds.

Remote engine start allows you to pre-cool your car in hot summer or pre-warm it in cold winter for enhanced comfort.

Button function



Figure 3: Illustration of the key fob with clearly labeled buttons for various functions, including remote start, arm/disarm, and trunk release.

Video 2: This video demonstrates the functions of passive keyless entry (PKE) and remote start, showing how the system operates in real-world scenarios.

Video 3: A comprehensive overview of the EASYGUARD EC211PP-BM2 system for BMW, highlighting its key features and operational aspects.

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 your key fob. This occurs within a range of approximately 3-6 feet.

PKE-Passive keyless entry

Automatically unlock or lock car door when you approach or walk away from the vehicle in 3-6 feet with key fob



Figure 4: Visual representation of the PKE system's range for automatic locking and unlocking, along with the remote trunk release function.

5.3 NFC Card Lock/Unlock

Use the provided NFC card to lock or unlock your car doors. Simply tap the NFC card against the designated area on your vehicle to activate the lock/unlock function. You can add up to 4 NFC cards.

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

Figure 5: Demonstration of using the NFC card to lock or unlock the vehicle, highlighting the convenience of this feature.

5.4 Remote Trunk Release

To release the trunk remotely, continue to press the trunk release button on your key fob twice.

6. SMARTPHONE APP CONTROL (OPTIONAL)

The system can be upgraded to include smartphone app control and 4G LTE GPS tracking. This requires purchasing an additional GPS002-AA 4G LTE module.

7. 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-C1
Batteries	2 CR2 batteries required (included)
Wireless Remote	Yes
Remote Control Included	Yes
Manufacturer	ieasyguard.com
UPC	762206595673

8. WARRANTY

This EASYGUARD product comes with a 1-year warranty from the date of purchase. Please retain your proof of purchase for warranty claims.

9. SUPPORT AND TROUBLESHOOTING

For technical support, troubleshooting, or any questions regarding your EASYGUARD EC211PP-BM2-NFC-C1 system, please contact your professional installer or refer to the manufacturer's website for further assistance. Given the complexity of the installation, professional assistance is recommended for any issues.