

# BMW EWS Key Programmer

This device programs keys for BMW vehicles with EWS1, 2, 3, 3+, and 4.3 systems. It is used to add new keys or replace lost keys.



## Product Overview

### Professional BMW EWS Key Programming Solution

This advanced key programming device is designed for comprehensive management of BMW Electronic Immobilizer Systems (EWS). It enables automotive technicians to efficiently read, write, and program keys for EWS1, EWS2, EWS3, EWS3+, and EWS4.3 systems. With the capability to perform in-circuit data reading and key management functions, this tool streamlines the process of adding or replacing keys without complex hardware removal.

## Technical Capabilities

### Supported MCU Types

- 1D47J
- 2D47J
- 0D46J
- 2L86D

### Supported EWS Systems

EWS1, EWS2, EWS3, EWS3+, EWS4.3, EWS4.4

## Key Features

### Core Functions

- In-circuit data reading (no MCU removal required)
- VIN modification
- Mileage adjustment
- Key renewal, locking, and unlocking
- Programming original EML 10030A chips
- Key identification for EWS and CAS

### Software Version

V2.5