Dalian Shuangma Electronic CO., LTD.

# EWS K-LINE PROGRAMMER

# **USER MANUAL**

## 1. Functions

Support Mileage correction of EWS with BMW E38 / E39 / E46/E53 .

Support EEPROM programming of EWS3 and EWS3+.

## 2. Hardware Introduce



- com port connect to com port of computer
- EWS connector connect to EWS module
- Power connecter Used to supply +12V-DC to the device.

### 3. Software Setup

**OS**: Windows (Win2000, WinXP) **Software tool:** EWS StepUp

## Installing the software

For install the software, follow these steps:

- 1) Insert CD into your CD-ROM drive
- 2) Close other running application
- 3) Follow prompts to install software to your hard drive
- 4) Run the software when installation completed.

## 4. COM port options

Run the software. Select "Tool" as picture to setup comport .

	- EWS	
Ele Iool		
Mileage Correction Link Read	0 Write	
Program Sequence Picture Read	Write	
0000 00		
be ready	www.smelecom.com	Number

Equipment provided COM1 or COM2 to customer

File Iool	- EWS	
683		
Link Mileage Correction	n Read O Write	
Program Sequen	Communication Port#	
0000 00	Com1 Com2 OK Cancel	
be ready	www.smelecom.com	Number

Notice: COM port must same to the computer

## 5. Mileage Correction

(1) Open software main interface

	EWS	000
Ele Lool		
Link	Mileage Correction  Read  Write	
Picture	Program Sequence Read Write	
0000 00		
	-	
be ready	www.smelecom.com	Number

(2) click "picture" at first .connect hardware as picture show

01 ⊠ • EWS	
<u>File I</u> ool	
Mileage Correction	
Link 0 Read 0 Write	
Picture Dood Write	
ricau Write	
be ready www.smelecom.com	Number

## (3) picture help



Warn : connect lines as picture show. Be careful the direction . Black line connect to GND , Red line connect to +12 V, Orange line connect to the K line of EWS.

(4) connect the two point as picture before Mileage Correction.



(5) Supply +12V to equipment after connect hardware completely. Click "Link " button .

	- EWS	
<u>File I</u> ool		
Mileage Correction Link O Read	0 Write	
Program Sequence Picture Read	Write	
0000 00		
he ready	www.smalacom.com	Number

(6) when the system prompt " link successful" you can correct the mileage.

<b>0</b>	-EWS	
<u>F</u> ile <u>T</u> ool		
i 🖻 🖪 🎯		
Link	Mileage Correction	
Picture	Read Write	
0000 00	link successful [] 确定	
Linking Device		Number

(7) click "Read" button

File Tool	·EWS	
283		
Link O Read	0 Write	
Program Sequence Picture Read	Write	
0000 00		
be ready	N	umber

(8) The current mileage will shown on the software. customer can check it.

	- EWS	
<u>File T</u> ool		
<mark>, ඏ ₪</mark> Э		
Link Mileage C	orrection 11 Read O Write	I
Program S Picture	equence Read Write	
0000.00	EVSProgres 🔀	
	read successful!	
	(())()()()()()()()()()()()()()()()()()	
		W L
Nead in Frogress		Number

(9) If the current mileage shown right, write new mileage in the blank front of "write" button.click "write" button.

	-EWS	
<u>File I</u> ool		
😂 🖬 🦻		
Link Mileage Correction	55북 Write	
Program Sequence Picture Read	Write	
0000 00		
be ready		Number

 $(10)\,$  System will prompt "write successful "after mileage write complete

· EWS	
<u>File I</u> ool	
883	
Link 111 Read 555 Write	
Program Sequence Picture Read Write	
write successful!	
Read in Progress	Number

(11) click "Read" button again to sure the mileage correction was successful.

	-EWS	
<u>File T</u> ool		
883		
Link	Correction 555 Read 555 Write	
Picture	Read Write	
0000.00		
	read successful!	
	[]	
Read in Progress		Number

## NOTICE: separate the two pins which connect on step (4)

### 6. Program Sequence

"Program Sequence" support EEPROM programming of EWS3 and EWS3+. System provide the nicer programming interface for customer .

As the Mileage Correction, before using program function customer need to connect the hardware accord to picture help, then click the "LINK" button .when the system prompt " link successful" you can carry on the following operation.

#### (1) Read data

Click "read" button, system can read the data of MCU on the EWS module .

<del>©</del>	- EWS	
<u>F</u> ile <u>T</u> ool		
🖻 🖪 🤉		
Link	Mileage Correction 555 Read 555 Write	
Picture	Program Sequence Read Write	
0000 00		
be ready		Number

System will prompt "read successful" after read data accomplish.



#### (2) Write data

Open file which you need at first , then click the "Write" button , system will write the EEPROM data to EWS module automatic .

Image: Construction         Mileage Correction           Program Sequence         Program Sequence           Picture         Read         Write           0000 11 22 33 44 55 66 77 88 99 AA BB CC DD EE FF 00 .*3DUfw	File Tool	- EWS	000
Link         Mileage Correction           Program Sequence         Program Sequence           Picture         Read         Write           0000 11 22 33 44 55 66 77 88 99 AA BB CC DD EE FF 00 .*3DUfw			
Picture         Read         Write           0000 11 22 33 44 55 66 77 88 99 AA EB CC DD EE FF 00 .*3DUfw	Link	eage Correction 555 Read 555 Write	
0000 11 22 33 44 55 66 77 88 99 AA BE CC DD EE FF 00 . "3DUfw	Picture	Read	
00E0 11 22 33 44 55 66 77 88 99 AA BE CC DD EE FF 00. "3DUfw         00C0 11 22 33 44 55 66 77 88 99 AA BE CC DD EE FF 00. "3DUfw         00D0 11 22 33 44 55 66 77 88 99 AA BE CC DD EE FF 00. "3DUfw         00E0 11 22 33 44 55 66 77 88 99 AA BE CC DD EE FF 00. "3DUfw         00F0 11 22 33 44 55 66 77 88 99 AA BE CC DD EE FF 00. "3DUfw         00F0 11 22 33 44 55 66 77 88 99 AA BE CC DD EE FF 00. "3DUfw         00F0 11 22 33 44 55 66 77 88 99 AA BE CC DD EE FF 00. "3DUfw         00F0 11 22 33 44 55 66 77 88 99 AA BE CC DD EE FF 00. "3DUfw         00F0 11 22 33 44 55 66 77 88 99 AA BE CC DD EE FF 00. "3DUfw         0100 11 22 33 44 55 66 77 88 99 AA BE CC DD EE FF 00. "3DUfw	$\begin{array}{c} 0000 11 22 33 44 \\ 0010 11 22 33 44 \\ 0020 11 22 33 44 \\ 0030 11 22 33 44 \\ 0030 11 22 33 44 \\ 0050 11 22 33 44 \\ 0050 11 22 33 44 \\ 0050 11 22 33 44 \\ 0070 11 22 33 44 \\ 0070 11 22 33 44 \\ 0080 11 22 34 \\ 0080 11 22 33 44 \\ 0080 11 22 33 44 \\ 0080 11 22 33 44 \\ 0080 11 22 33 44 \\ 0080 11 22 33 44 \\ 0080 11 22 33 44 \\ 0080 11 22 33 44 \\ 0080 11 22 33 44 \\ 0080 11 22 33 44 \\ 0080 11 22 33 44 \\ 0080 11 22 34 \\ 0080 11 22 \\ 0080 11 22 \\ 0080 11 22 \\ 0080 11 22 \\ 0080 11 22 \\$	55       66       77       88       99       AA       BB       CC       DD       EE       FF       00       "3DUfw	
0110 11 22 33 44 55 66 77 88 99 AA BB CC DD EE FF 00 . "3DUfw 0120 11 22 33 44 55 66 77 88 99 2B 02 00 DD EE FF 00 ."3DUfw+	00B0 11 22 33 44 00C0 11 22 33 44 00D0 11 22 33 44 00E0 11 22 33 44 00F0 11 22 33 44 0100 11 22 33 44 0110 11 22 33 44 0110 11 22 33 44	55       66       77       88       99       AA       BB       CC       DD       EE       FF       00       "3DUfw         55       66       77       88       99       AA       BB       CC       DD       EE       FF       00       "3DUfw         55       66       77       88       99       AA       BB       CC       DD       EE       FF       00       "3DUfw         55       66       77       88       99       AA       BB       CC       DD       EE       FF       00       "3DUfw	×

System will prompt "write successful" after write data accomplish.

	- EWS	
Link Mileage Corr	ection Read 555 Write	
Program Seq	Read Write	
0000 11 22 33 44 55 66 77           0010 11 22 33 44 55 66 77           0020 11 22 33 44 55 66 77           0030 11 22 33 44 55 66 77           0040 11 22 33 44 55 66 77           0050 11 22 33 44 55 66 77           0060 11 22 33 44 55 66 77           0060 11 22 33 44 55 66 77           0070 11 22 33 44 55 66 77           0070 11 22 33 44 55 66 77           0080 11 22 33 44 55 66 77           0090 11 22 33 44 55 66 77           0080 11 22 33 44 55 66 77           0080 11 22 33 44 55 66 77           0080 11 22 33 44 55 66 77           00B0 11 22 33 44 55 66 77           00F0 11 22 33 44 55 66 77           0110 11 22 33 44 55 66 77 <th>EVSProgres         IUIfw           88         99         AA         BB         C           88         99         AA         BB         C         DUfw         DUfw         DUfw           88         99         AA         BB         C         DUfw         BUfw         DUfw         BUfw         DUfw         BUfw         DUfw         BUfw         BUfw</th> <th></th>	EVSProgres         IUIfw           88         99         AA         BB         C           88         99         AA         BB         C         DUfw         DUfw         DUfw           88         99         AA         BB         C         DUfw         BUfw         DUfw         BUfw         DUfw         BUfw         DUfw         BUfw         BUfw	
0120 11 22 33 44 55 66 77 Read in Progress	88 99 2B 02 00 DD EE FF 00 ."3DUfw+	Number 🗸

Technical Support :

+86 411-87678833 / 87681155

Software updates Internet:

http://www.km-obd.com

Our website:

CHINESE: <u>www.smelecom.com</u> ENGLISH: <u>www.dlsmelecom.com</u>

SMELECOM