### X-100<sup>+</sup> User Manual

#### Statement

This handbook is the manual of X-100 + Auto Key Programmer expert. Without the written permission o from the manufacturer, any company or individual shall not copy or backup it in any form (electronic, mechanical, photocopying, recording or otherwise). This manual is only operating instructions for X100+ Auto Key Programmer expert. If any result caused by using it on other equipment, the company does not assume any responsibility for it.

If not quality problems of X100+: If equipment failure caused by user abuse, misuse, unauthorized disassembly, repair of the equipment yourself, not operating and maintaining by the instructions, lose it, repair will not be free. Other product names mentioned in this manual are in order to describe how to use X100+, and its owners are still the original company.

X-100+ Auto Key Programmer expert and files are used for normal vehicles maintenance; If used for illegal purposes, the company does not assume any liability.

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Chapter1: Summary

- 1.1. Features
- 1.1.1. Universal
- 1.1.2. Advantages
  - Providing multi-language environment so it can be used in different countries and regions.
  - The main unit system uses ARM high-speed chip to keep it running fast, stable, and anti-jamming.
  - Support updating with TF-SD card. You can update the software at any time.
  - with mdern design and high-definition true color screen to realize the integration of automotive industry and electronic information technologies and make auto diagnostic and key programming more easier, more practical and more economical.
- 1.1.3. Durability
  - Integrity structure design, Drop and Shock Resistance, and durable.
  - Industrial design to ensure the tool work stable in harsh environment such as high temperature, low temperature, etc,
- 1.2. The introduction of the device
- 1.2.1. Main unit and accessories (picture as below)



Name	Instruction
Testing cable interface	Connect to the main testing cable for key programming
USB interface	For connecting USB cable
TF Card Slot	To store diagnostic program and data
F1	Exit the menu or give up /Keyboard input option key
Left	To left
Enter	ОК
ESC	Exit or give up
Screen	Show information
F2	Confirm the selection/Other functions option
Up	Up
Right	To right
Down	Down

#### 1.3. Hardware Specification

- ★ Dimension: 19.2cm(L) \*9.3cm(W) \*2.9cm(H)
- ★ CPU: ARM7
- ★ Power Supply: DC12V
- ★ Operation Power: DC12V
- ★ Operating Temperature: -10-60 °C
- **\star Display Screen:** 160  $\times$  160 TFT Screen

#### 1.4. Functions Setting

Power on and then press ENTER on the sreen then go to the function setting, setting information as shown below:

$X-100^{+}$
>Makers
Options
About
Selftest

#### **1.4.1 Car Models Selected**

Make choice according to the car models that you want to do key programming, picture as below

Select Menu
> China
Europe
Asia
America

#### 1.4.2 System Setting

Select System Setting, then you can set the language, contrast, fonts, EN/Metric, data logging, as shown below.



#### 1.4.2.1 Language option

The instrument supports Chinese, Russian, Greek, Spanish, Italian and Traditional Chinese.

#### 1.4.2.2 Contrast

Depending on the environment, adjust the brightness of the screen through the left and right buttons, as shown below:



#### 1.4.2.3 Font

According to personal habits , choose the font trough UP and Down key, and change the font through ENTER, as shown below:  $\hdots$ 

Font	
>Small font	
Large font	

#### 1.4.2.4 EN/Metric

According to your needs, select the EN/Metric through the up and down keys, and press ENTER to switch, as shown below:

EN/Metric
>Metric
English

#### 1.4.2.5 Data Logging

If you have problems during the testing, please use the Data Recording function to record the testing process and send the data to us. If you want to use Data Record function, select "Enable" trough the up and down keys and press ENTER to switch it, as shown below:

Remarks: Please select " Disable ", otherwise there will be not enough space in TF card after a long time

Data Logging
>Disable
Enable

#### **1.4.3 System Information**

System information including product serial number, hardware version, software version, release date, registration password, etc. About

>S/N: 8122100100060 Hard Version: 4.00 Software: 4.00 Release Date: Mar 27 2012 password: 10610876 www.x100cn.com

#### 1.4.4 Device self-testing

Device self-testing including screen display, keyboard testing. hardware self-testing, etc. If it shows not enough pictures on the screen, keyboard not work, please return this X-100+ to the manufacturer.

selftest	
>Display Test	
Keypad Test	

#### Chapter II: How to upgrade the software of X-100+

#### 1.5. Update tool software installation

1.5.1. Download the updating tool and diagnostic software on www.x100cn.com, double click, then go to the next step:

#### Step 1: click "Next"



Step 2: click "Next

😼 xToolUpdate Setup 🛛 🔀
Ready to Install You are now ready to install xToolUpdate 5.8
The installer now has enough information to install xToolUpdate on your computer.
The following settings will be used:
Install folder: C:\Program Files\xToolUpdate
Shortcut folder: xToolUpdate
Please click Next to proceed with the installation.
< <u>Back</u> <u>Next</u> <u>Cancel</u>

#### Step 3: click "Next"

😼 xTooWpdate Setup	×
Installation Folder Where would you like xToolUpdate to be installed?	Q
The software will be installed in the folder listed below. To select a different location, eithe new path, or click Change to browse for an existing folder.	r lype in a
C:\Program Files\xToolUpdate	jange
Space required: 954 KB Space available on selected drive: 23.94 GB	
( <u>B</u> ack <u>N</u> ext > <u>C</u> ar	ncel

#### Step 4: Click "Finish"



- 1.6. Software Updating
- 1.6.1. After the Update tool installation is complete, click the Updatool software icon on desktop to start the update tools. Operation steps as following:
- 1.6.2. Step 1: Open updatool



# Step 2: click the source menu, choose the program you want to update, click it and confirm

Update Tool 4.1	9.6.6
sfafters 1 ist           Incres 10 0           Incres 10 0	Wrid washer '0220000000'     •       Reducer connection:     Tests connect the GUT eard reader to your computer US slot, and income the Suffr eard reader to your computer US slot, and the Suffr eard reader to your computer US slot, and the prepare which need to update.       Solart the prepare which need to update.       Solart the prepare which need to update.       After update is finished, to prevent losing the date, please update is finished.       Polarte Stepse:       Olinian dalate ion       Solart the prepare which need to dalate.       Solart the prepare which need to dalate.
Salect all Source directo <sup>C:</sup> Documents and Settings'Admin <b>A</b> Destination: G:1 Space needed: 0.00 MB Searce works0441 55 MB	Bjate Lour Exit

# Step 3: click and select all the software then click "update"

Step 4: wait for several minutes then the updating finished

Update Tool 4.1	0.08
UpdateTool4.1 Sefure 1 int Office 1 int Offi	Serial number: 01110000000         •           Marchers connection: These connection: These connection: Update stape: 1: Salert the program estalog which need to update. 2: Salert the program which need to update. 3: Click on (popular). 4: After update is finished: to parent form; then reasons is from blue update.           blatts: Deprint: Didte: Deprint: Did
Serve director Uncommon and SettingtVAnia M	Date Steps: 1. Click on dates icon. 2. Slict the program which need to date. 3. Click on (dates) Ready Bornlead: www.slDOrn.com
Destination: G:\ * @ Space needed: 26.98 WS Space availabl914.57 WB	Update Emit

Remarks: For new updating software and questions during updating, please contact your distributor.