

Voice Pager

MODEL: VP101



pdate Firmware

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Getting Started

The FlashSta.exe provides is used to upgrade the VP101's firmware. To obtain the best results from the product, please take a few minutes to read this instruction guide.

Equipment Required

To re-program the VP101, you must meet the following minimum requirements:

- > A personal computer (PC) with USB port.
- > Windows 98 SE or above operating system (XP Recommended).
- > A USB cable Type A to B.
- > VP101 Firmware Programmer.
- > The updating files for the microprocessor (extension *.s2 *.id).
- > The programming software FlashSta.exe.
- > The VP101 Programming Software.

Programming Setup

- Software setup
 - If you have already installed VP101 Programming Software please omit this step. You must install the software before installation the VP101 Firmware Programmer. When the software installation is completed, you must to restart your computer.
- Hardware setup
 - Connect the USB cable to the USB port on your computer.
 - Plug the other end of the USB cable into the VP101 programmer.
 - To check which the COM port assignment made by Windows for the USB to Serial adapter.

Getting Started

- 1. Open up your "System Properties"
 - ◆ Click "Start" → right-click on "My Computer" → click the "Properties"



Getting Started



♦ Click "Start" → "Control Panel" → "System"

(Note: The COM port assignment of the USB to Serial adapter varies on your computer hardware configuration. Windows will check what COM port are unused or free in your computer and assigns that port number to the device.)

 Click the "Hardware" tab → Click the "Device Manager" button and wait for the "Device Manager" dialogue box to appear.





 Click the "+" by "Ports (COM & LPT)". You should see the Prolific USB-to-Serial Comm Port (COM3) device listing. This also means that Windows has assigned the device to COM3 port..

B Device Manager		
File Action View Help		
ULTILANG-WINXP	~	
🗄 📲 🚼 Computer		
🔁 🥗 Disk drives		
🕀 😻 Display adapters		
🕀 🥝 DVD/CD-ROM drives		
🔁 🚍 Floppy disk controllers		
🕀 🖑 Floppy disk drives		
🔁 🎰 Human Interface Devices		
🗄 🗃 IDE ATA/ATAPI controllers		
🕀 🦢 Keyboards		
😥 🕤 Mice and other pointing devices		
🗄 😨 Monitors		
🛨 🕮 Network adapters		
😑 🚽 Ports (COM & LPT)		
Communications Port (COM1)		
- J Communications Port (COM2)		
ECP Printer Port (IPT1)		
Prolific USB-to-Serial Comm Port (COM3)		
🗄 🐲 Processor s		
🗄 🧐 Sound, video and game controllers	_	
🗄 🚽 😼 System devices	~	

Programming the microprocessor

Introduction

The following describes the procedures for using the VP101 firmware update to accomplish the following:

- 1. Establish a computer hardware configuration.
- 2. Turn off the VP101 by rotating the ON-OFF SWITCH/VOLUME CONTROL counterclockwise until a click is heard and the mechanical stop is reached.
- Hold down the belt clip gentle and set the VP101 inside the VP101 Programmer.
- 4. Rotate the ON-OFF SWITCH/VOLUME CONTROL clockwise to turn on the alert VP101. If you hear beep sounds or vibrator after turn on the pager, it means bad connection, please confirm the VP101 is set on the programmer tray and USB is connected to a computer properly.

Start the Programming

- 1. Copy in a folder of your PC the updating files (VP101.s2 and VP101.id).
- Run the FlashSta.exe program, wait for the "Select Program" dialogue box to appear, select the serial port of your PC connected to the device and select the "Internal flash memory" option. Click on the "OK" button and wait for the "ID Check" dialogue box to appear.

Select Program 🔀	Select Program 🔀
Select Program Internal flash memory M16C/80 boot loader M16C/10 flash starter	Select Program Internal flash memory M16C/80 boot loader M16C/10 flash starter
RS232C Port COM3 ▼ COM1 ▲ COM2 COM2 COM4 COM5 COM6 ▼	Port COM3 V

VP101

- Programming the microprocessor
- 3. If the "ID Check" window does not appear and the following window appears, this means that there has been a communication failure to the VP101. Click "Cancel" to close FlashSta.exe. Check that the VP101 is set on the programmer tray, the cable connections from the PC to the VP101 Programmer have been made correctly, and the correct COM port has been selected.

M16C Flash Start 🛛 🛛 🔀	
Timeout. Push RESET.	
ОК	Cancel

4. Click on the "Refer..." button to select the updating file VP101<version>.s2.

	ID Check	X
	FilePath	
	MCU Type • M16C/20 62 • M16C/80 M32C • 38000 • R8C	
	Refer OK Cancel	
Open		? 🛛
Look in:	► E Č	* ===
	2	
File name:	vp101_v20.s2	Open
Files of typ	e: Motlora Hex File (*.s;*.mot;*.s2)	Cancel

5. Click on the "OK" button and wait for the 'M16C Flash Start' dialogue box to appear.



M16C Flash Start	X
Load (ID)	Program
Blank	Erase
Read	Setting
Status	Download
E. P. R	Version
B. P. R	
[VDC status (M32C/83)
VDC_OFF	ON
C_E.P.R.	
	Exit

Programming the microprocessor

6. Click on the "Setting..." button and wait for the "Set baudrate" dialogue box to appear, select "19200" as Baud rate, select "40" as Program_intervals(ms).

	🝓 M16C Flash Start	
	Load (ID)	Program
	Blank	Erase
	Read	1 Setting
	Status	Download
	E. P. R	Version
	B. P. R	
	VDC_0FF	VDC status (M32C/83)
	C_E.P.R.	
		Exit
L		
Set baudrate		Set baudrate 🛛 🔀
Baud rate	19200 ▼ 9600	Baud rate 19200 -
Program_interva	19200 38400 57600 115200	Program_intervals(ms) 40 💌
OK	Cancel	OK Cancel

7. Wait for the "M16C Flash Start" dialogue box to appear. Click "E.P.R..." button to remove any previous software form the VP101 memory, followed by a Program cycle, followed by a Read verify check.

🍓 M16C Flash Start		
Load (ID)	Program	
Blank	Erase	
Read	Setting	
Status	Download	
E. P. R	Version	
B. P. R		
VDC_OFF	VDC status (M32C/83)	
C_E.P.R.		
Exit		

8. Wait for the "Erase" dialogue box to appear and click on the "OK" button to start programming.

M16C Flash Start	×
Load (ID)	Program
Blank	Erase
Read	Setting
	VDC status (M32C/83)
C_E.P.R.	
E,	it
M16C Flash Start 🛛 🗙	🕷 M16C Flash Start 🛛 🗙
Load (ID) Program	Load (ID) Program
Blank Erase	Blank Erase
Read Setting	Read Setting
Program.	Read check.
Cancel	Cancel
VDC_OFF ON	VDC_OFF ON
C_E.P.R.	C_E.P.R.

9. When programming has completed, the message "Program OK" should appear. Click "OK" to close the popup and click "Exit" to quit FlashSta.exe. Wait for the window to close before continuing.

M16C Flash Start		
Load (ID) Program		
Blank Erase		
Read Setting		
Statu M16C Flash Start 🗙 oad		
E. P. V Program OK. on		
В. Р.		
VDC status (M32C/83)		
C_E.P.R.		
Exit		

🍓 M16C Flash Start		
Load (ID)	Program	
Blank	Erase	
Read	Setting	
Status	Download	
E. P. R	Version	
B. P. R		
VDC_0FF	VDC status (M32C/83)	
C_E.P.R.		
Exit		