

SONiX 8-bit MCU's UTP

User Manual

V1.1

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MANUAL REVISION HISTORY

Version	Date	Description
V1.0	Sep. 2006	First Issue
V1.1	Mar.2007	Add description of UTP1X,UTP2X and trouble shooting

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1.1 UTP1X UTP2X introduction

The bulk of development tools provided by SONiX are equipped with parallel port, in order to accommodate to note book user, extra design UTP (USB to Parallel, serial to parallel converter). UTP primarily includes two series UTP1000 and UTP2000, UTP1000 only apply to SN8ICE1K, and UTP2000 apply to SN8ICE2K & MP Writer, it is different with the USB convert to parallel port device commonly in the market, user need to pay attention buying similar tools.

1.2 Hardware connection

SONiX UTP and accessory (USB convert wire) as shown in next figure:



SONiX UTP and development tool hardware connection illustration:



UTP2X and SN8ICE2K connection illustration



UTP2X and MP Writer connection illustration



UTP1X and SN8ICE1K connection illustration



UTP1X and MP Writer connection illustration

2. UTP DRIVER INSTALL

SONiX S8Asm199W and M2IDE V1.11 or IDE with updated version already embedded with UTP driver, user install it according to steps shown below:

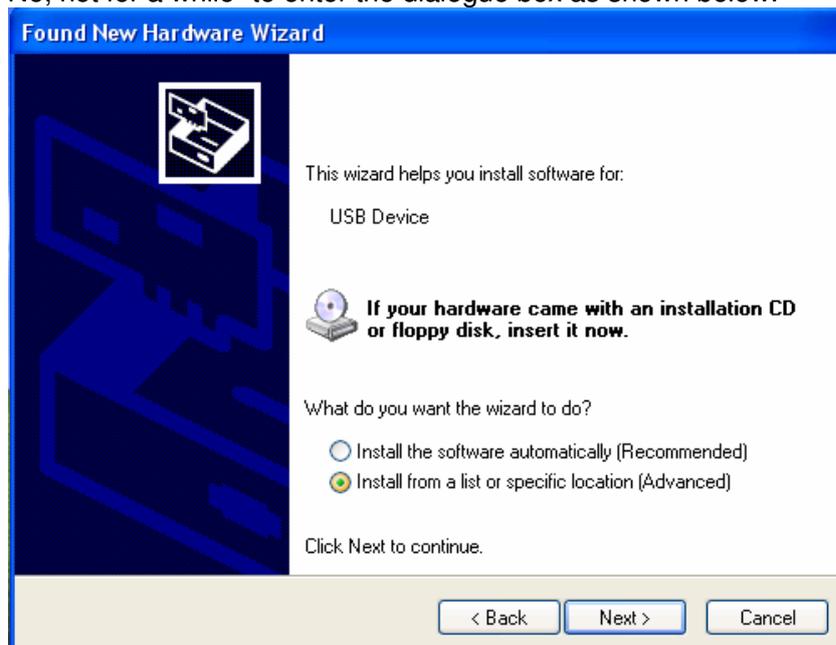
First step: User install S8Asm199W or M2IDE V1.11 IDE according to user's need. (Downloading and installing the last corresponding version in the website is recommended.)

Second step: Utilizing USB connection wire to connect UTP with USB port, at this moment, red power indication light brighten, monitor show will show the message as shown below, represent new hardware is already detected.

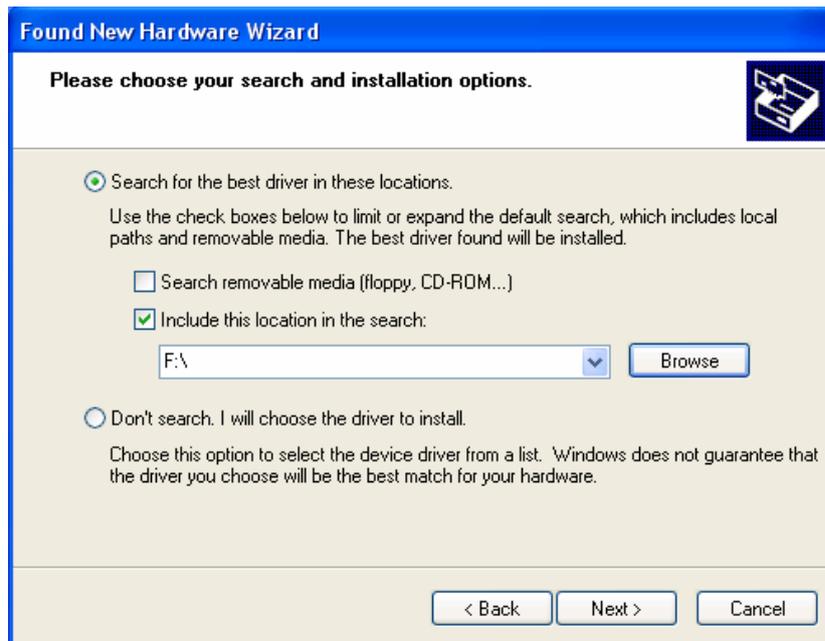


Found new hardware

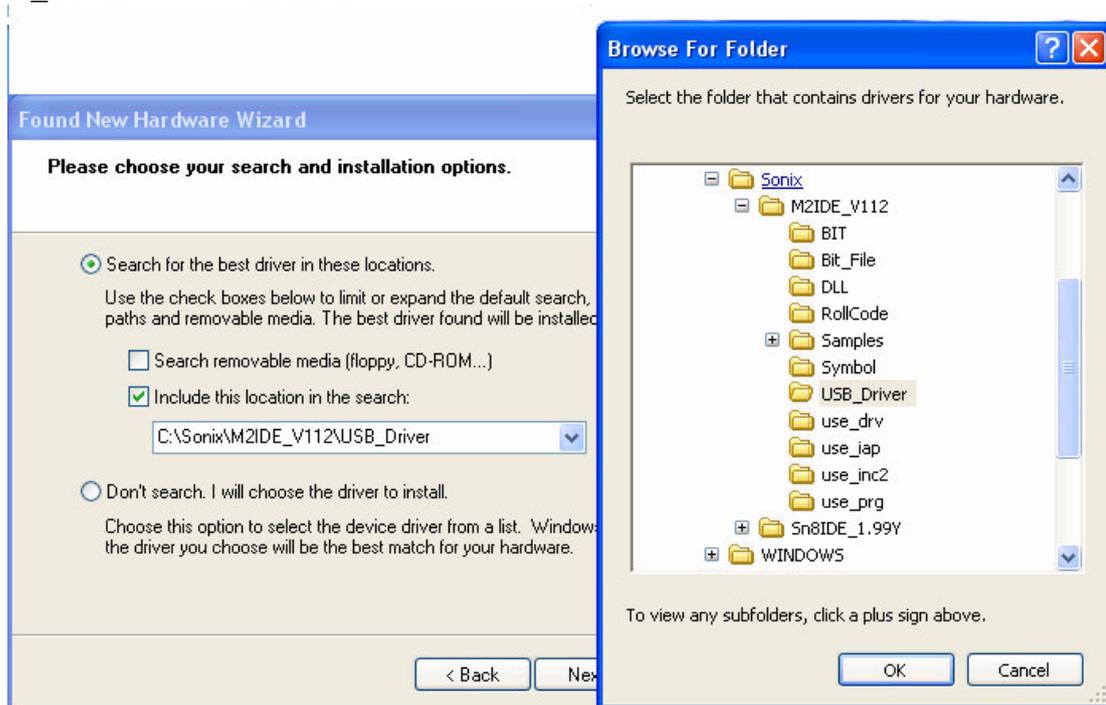
Third step: Choose “No, not for a while” to enter the dialogue box as shown below.



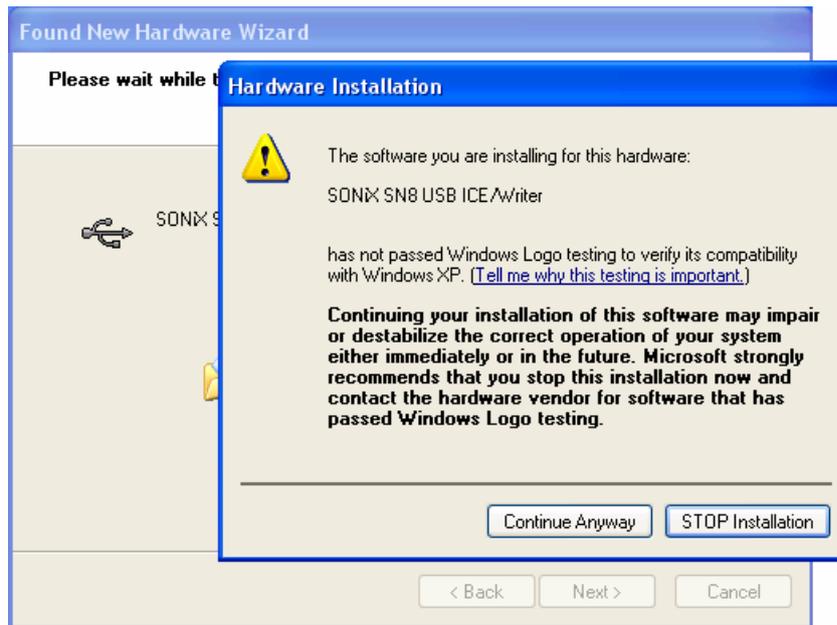
Fourth step: Choose “Install from list or assigned location” to enter to next dialogue box.



Fifth step: Choose “Searching the optimal driver in these location”, check the box in the location “Including this location during the searching process”, and choose the appropriate USB driver document. This document is putted in the folder of USB Driver document under the root of IDE user installed, for UTP, only need to select “SN8_USBtoPRT” will be done.



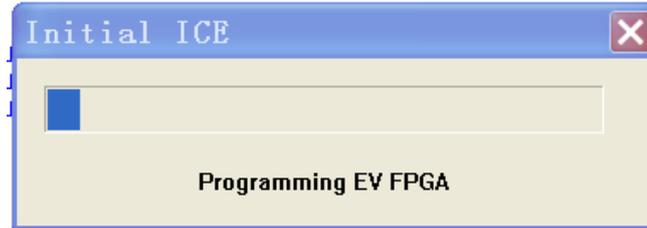
Sixth step: During the install process, the indicative message will be shown as shown below, choose continue to finish the install.



Seventh step: Complete the driver install, user can connect UTP with development tool through the parallel port.

ATTENTION OF USING UTP

1. Connecting UTP with ICE to emulate, click “proceed” , the indication will be showed immediately as below, UTP Run indication light glitter. During the executing process of ICE, Run indication light will be stayed in the glittering status.



2. Connecting UTP with SONiX' s Writer to download the programming code, Run indication light will be stayed in the glittering status.
3. If UTP is used, please caution, not to use the parallel port again to connect emulator or writer, or the message of connection failure will be shown, only need to remove one of them, the device will be able to use normally.
4. If the indication of read and write command error is discovered during emulation, the problem can be settled by removing USB wire and inserting it back again.
5. Connecting only one UTP with only same one computer is permitted.
6. If the USB port in use and the USB port to be putted to use at the moment of installing driver are not belong to the same Host terminal, the driver need to be installed again.
7. The design principle of USB to parallel port device common in market is different with the products from our company. It can not be connected to the development tool of SONiX normally.
8. The emulation and programming is unusual during using process, please check the power supply or observe the indication light whether normal or not and the connection of insert device if it is well contacted. If problem still can not be solved, please contact to agent or engineer in our company.

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