

### Standard Accessories

GUT-6001C Flash Writer main unit x1, USB cable x1, DC 12V/500mA adaptor x1, PC Software, drivers and manuals on CD-ROM x1



Main unit



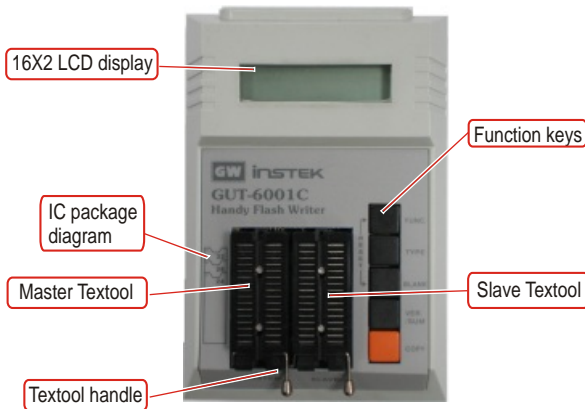
Adaptor



USB cable

### Introduction

Unit top view



Unit back view



### Attention

1. It is preferred to use an internal USB port of your PC. External USB ports are not recommended because of shared bandwidth and possible compatibility issues of other USB devices.
2. In PC mode operation, the Slave textool is used for all operations. In stand-alone mode, the source IC should be placed in the Master textool and the target IC in the Slave textool.

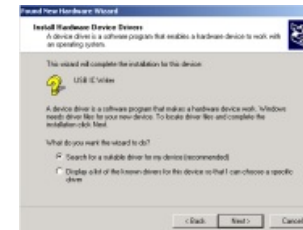
### Install software and driver

1. Set Font Size to [small fonts] (96 dpi) to have the optimal display.
  - 1.1 Click the right button on the desktop. -> Select the [Properties] at the bottom of the function menu.
  - 1.2 Select [Settings] and then click the [Advanced] to set Font Size.
2. Install the software before connecting the GUT-6001C to the PC.
  - 2.1 Insert the software CD into your CD-ROM drive. Normally the installation program will start automatically (if Auto Run is enabled for your CD-drive). Follow the instructions to complete installation.
  - 2.2 If Auto Run doesn't work, click [Setup.exe] in the CD directory to start the installation.
3. Install the driver for the GUT-6001C hardware.
  - 3.1 Make sure the GUT-6001C power is [OFF]. Connect the power adaptor to the GUT-6001C and a power outlet.
  - 3.2 Connect the USB cable to PC USB port and to the programmer USB port.
  - 3.3 Turn the GUT-6001C power to [ON]. Windows will now start the [Found New Hardware Wizard].
  - 3.4 Install Hardware Device Driver
    - > Search for a suitable driver for my device (recommended)
  - 3.5 Select Optional search locations
    - > CD-ROM drives
  - 3.6 Driver Files Search Result
    - > Windows will find a driver for this device ...\\driver\\flashwriter.inf
  - 3.7 Click [Finish] in the Found New Hardware Wizard

The GUT-6001C software and drivers have now been installed and the unit is ready for usage.



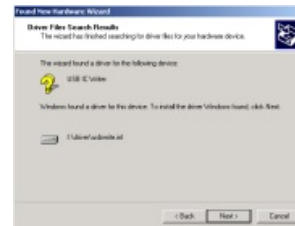
[3.3]



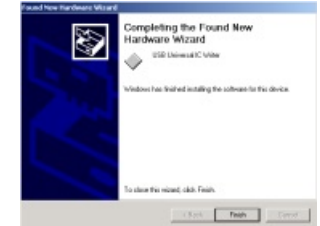
[3.4]



[3.5]



[3.6]



[3.7]



### Operation window

**Programming source**

- Load from PC
- Verify source IC
- Save file
- Read from source IC
- Edit file

File: F:\R D\Q & A\WICE-8052\out.hex

Device: ST 29F040B

DeviceSum: 07F6E55F

Process: Erase, Check, Prog, Verify, Prot

Progress bar: 0%, 50%, 100%

**Program process & options**

- Erase
- Blank check
- Program
- Verify
- Protect / security

Exit program

IC manufacturer, type number

Device verify Check SUM

Programming status

Run

Stop

Progress bar

Select IC number

8/16/32 Bits

Load file

Save file

### Source file editing

8bits HEX display      16bits HEX display      Buffer & file information

8 Bits | 16 Bits | Buffer Information

Address of data: Click and enter new address.

HEX code Display: Click to enter hexadecimal data.

ASCII code Display: Click to enter text.

Exit edit window

Address of data Click and enter new address.

HEX code Display Click to enter hexadecimal data.

ASCII code Display Click to enter text.

Exit edit window

Get data block checksum

Data block - Move/Copy/Swap

Data block - Fill

Confirm changes

Cancel changes

Set data block range by load file size

Set data block range by maximum size of buffer

Set data block range by selected IC size

# Stand-Alone Operation Mode

## Main frame

LCD Display		Keypad	Function Descriptions
IC number	IC Checksum	FUNC.	Select IC Vendor
29F010	E700	TYPE	Switch IC Number
C+P+V	5.00V	BLANK	Blank Check to SLAVE
		VER./SUM	Read Checksum of MASTER and verify with SLAVE
		COPY	Copy MASTER to SALVE

Programming Voltage Procedure

## Blank Check

LCD Display		Keypad	Function Descriptions
IC number	IC Checksum	FUNC.	Select Prog. Procedure
29F010	****	TYPE	Switch IC Number
Checking	>	BLANK	No function
		VER./SUM	Confirm IC brand
		COPY	No function

Status

O.K. 29F010 \*\*\*\*  
Checking PASS

ERROR 29F010 \*\*\*\*  
Checking FAIL

## Read & Verify Checksum

LCD Display		Keypad	Function Descriptions
IC number	Previous IC Checksum	FUNC.	Select Prog. Procedure
29F010	26AF	TYPE	Switch IC Number
Verify	>	BLANK	No function
		VER./SUM	Confirm IC brand
		COPY	No function

Status

O.K. 29F010 5612  
Verify PASS

ERROR 29F010 12EF  
Verify FAIL

## COPY

LCD Display		Keypad	Function Descriptions
IC number	Previous IC Checksum	FUNC.	Select Prog. Procedure
29F010	26AF	TYPE	Switch IC Number
Verify	>	BLANK	No function
		VER./SUM	Confirm IC brand
		COPY	No function

Erase, Check, Program, Verify & Protect according to Prog. Procedure

O.K. 29F010 1A36  
COPY PASS

ERROR 29F010 1312  
Verify FAIL

Wrong procedure

## Select IC Vendor

LCD Display		Keypad	Function Descriptions
Select IC Vendor		FUNC.	Select Prog. Procedure
Select Vendor AMD		TYPE	Switch IC Number
IC brand		BLANK	No function
		VER./SUM	Confirm IC brand
		COPY	No function

## Programming Procedure

LCD Display		Keypad	Function Descriptions
Select Prog. Procedure		FUNC.	Flash - to select IC Vendor 27CXXX- to select Algorithm
Select Procedure C+P+V		TYPE	Switch Prog. Procedure
Prog. Procedure		BLANK	No function
		VER./SUM	Confirm Prog. Procedure
		COPY	No function

## Programming Algorithm

LCD Display		Keypad	Function Descriptions
Select Prog. Algorithm		FUNC.	Select Prog. Algorithm
Select Algorithm Q-100uS		TYPE	Switch Prog. Algorithm
Prog. Algorithm		BLANK	No function
		VER./SUM	Confirm Prog. Algorithm
		COPY	No function

\*\* Only 27Cxxx \*\*

## Programming Voltage

LCD Display		Keypad	Function Descriptions
Select Prog. Voltage		FUNC.	Select IC Vendor
Select Voltage 12.70V		TYPE	Switch Prog. Voltage
Prog. Voltage		BLANK	No function
		VER./SUM	Confirm Prog. Voltage
		COPY	No function

\*\* Only 27Cxxx \*\*