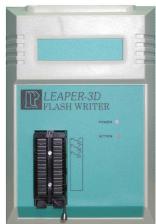


Standard Accessories

LEAPER-3D FLASH WRITER main unit x1, USB cable x1, DC 12V/500mA adaptor x1, PC Software, drivers and manual on CD-ROM x1



Main unit



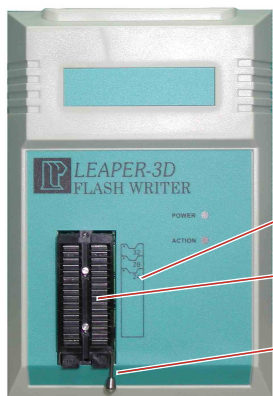
Adaptor



USB cable

Introduction

Unit top view

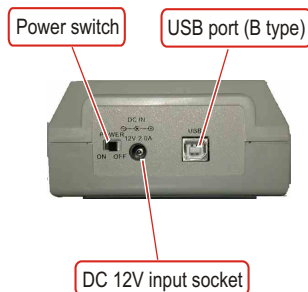


IC package diagram

Texttool

Texttool handle

Unit back view



Power switch

USB port (B type)

DC 12V input socket

Caution

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.

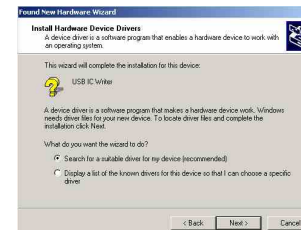
Install software and driver

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 Leaper-3D 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 Leaper-3D hardware.
 - 3.1 Make sure the Leaper-3D power is [OFF]. Connect the power adaptor to the Leaper-3D and a power outlet.
 - 3.2 Connect the USB cable to PC and to the programmer USB port.
 - 3.3 Turn the Leaper-3D 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 Leaper-3D software and drivers have now been installed and the unit is ready for usage.



[3.3]



[3.4]



[3.5]



[3.6]

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[3.7]

Operation window

Source file editing

Programming source

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

The main programming window is divided into two main sections: **Source** and **Process**.

Source Section: Includes a file path field (File: F:\R.D\Q & A\WICE-8052\out.hex), a device selection dropdown (Device: ST 29F040B), and a device sum field (DeviceSum: 07F6E55F). Buttons for Load, Read, Edit, and Save are present.

Process Section: Features a progress bar (0%, 50%, 100%) and buttons for Erase, Check, Prog, Verify, and Prot. A large green **PASS** indicator is shown when programming is successful.

Program process & options

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

Exit program

IC manufacturer, type number

Device verify CheckSum

Programming status

Run

Stop

Progress bar

Select IC number

A dialog box titled "Type" with a list of IC models (e.g., 29F010G45, 29F010G55, 29F010G75, 29F010G95, 29F010J45, 29F010J55, 29F010J75, 29F010J95, 29F010K45, 29F010K55, 29F010K75, 29F010K95, 29F010L45, 29F010L55, 29F010L75, 29F010L95, 29F010M45, 29F010M55, 29F010M75, 29F010M95, 29F010N45, 29F010N55, 29F010N75, 29F010N95, 29F010P45, 29F010P55, 29F010P75, 29F010P95, 29F010Q45, 29F010Q55, 29F010Q75, 29F010Q95, 29F010R45, 29F010R55, 29F010R75, 29F010R95, 29F010S45, 29F010S55, 29F010S75, 29F010S95, 29F010T45, 29F010T55, 29F010T75, 29F010T95, 29F010U45, 29F010U55, 29F010U75, 29F010U95, 29F010V45, 29F010V55, 29F010V75, 29F010V95, 29F010W45, 29F010W55, 29F010W75, 29F010W95, 29F010X45, 29F010X55, 29F010X75, 29F010X95, 29F010Y45, 29F010Y55, 29F010Y75, 29F010Y95, 29F010Z45, 29F010Z55, 29F010Z75, 29F010Z95). Buttons for OK and Cancel are at the bottom.

Load file

A "Load File" dialog box with a file explorer view showing a list of files in a directory. Buttons for OK and Cancel are at the bottom.

8/16/32 Bits

A dialog box titled "8/16/32 Bits" with three radio buttons for selecting the bit width: 8 Bits, 16 Bits, and 32 Bits. Buttons for OK and Cancel are at the bottom.

Save file

A "Save File" dialog box with a "Name" field and a "Save Range" section with Start Address (HEX: 000000) and End Address (HEX: 00FFFF) fields. Buttons for OK and Cancel are at the bottom.

8bits HEX display

A window titled "8 Bits" showing a grid of hexadecimal data. The grid has 16 columns and 16 rows. Buttons for Sum, Block, and Fill are at the bottom.

16bits HEX display

A window titled "16 Bits" showing a grid of hexadecimal data. The grid has 16 columns and 16 rows. Buttons for Sum, Block, and Fill are at the bottom.

Buffer & file information

A dialog box titled "Buffer & file information" with fields for Start Address, End Address, Buffer Size, and Check Sum. Buttons for OK and Cancel are at the bottom.

The main source file editing window has three tabs: **8 Bits**, **16 Bits**, and **Buffer Information**. The 8 Bits tab shows a grid of hex data with columns labeled 0-15 and rows labeled 0-15. The 16 Bits tab shows a similar grid. The Buffer Information tab shows a table with columns for address and data. Buttons for Sum, Block, and Fill are at the bottom.

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

A "Get Check Sum" dialog box with fields for Range (Start Address: 000000, End Address: 000007) and buttons for OK and Cancel.

Get data block checksum

A "Data block - Move/Copy/Swap" dialog box with fields for Source Range (Start Address: 000000, End Address: 000007) and Destination Range (Start Address: 000000, End Address: 000000). Buttons for OK and Cancel are at the bottom.

Data block - Move/Copy/Swap

A "Data block - Fill" dialog box with fields for Range (Start Address: 000000, End Address: 000007) and a "Fill Data Set" section with options for Fill, All, and Blank Data. Buttons for OK and Cancel are at the bottom.

Data block - Fill

Confirm changes

Cancel changes

Set data block range by load file size

Set data block range by selected IC size

Set data block range by maximum size of buffer