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› EZP2019 High Speed USB SPI Chip Programmer User Manual

ICTOLTOL SE-135

EZP2019 High Speed USB SPI Chip Programmer User Manual

Model: SE-135 | Brand: ICTOLTOL

1. INTRODUCTION AND OVERVIEW

The EZP2019 High Speed USB SPI Chip Programmer is a versatile and efficient tool designed for reading, writing, and copying various types of memory chips. Its high-speed USB 2.0 interface ensures rapid data transfer, making it ideal for professionals and enthusiasts alike. This device is particularly useful in the following applications:

- **Appliance Repair:** Suitable for flashing memory chips in household appliances such as color TVs, DVDs, computer motherboards, and hard drives.
- **Product Research and Development:** Assists in the burning and testing of chips during the product development process.
- **Factory Production:** The automatic offline copy function is specifically designed for mass burning of memory chips in manufacturing environments.

2. PRODUCT FEATURES

The EZP2019 programmer offers a range of features designed for convenience and efficiency:

- **High-Speed USB 2.0 Interface:** Achieves speeds up to 12 MBPS for rapid data transfer.
- **Fast Read/Write Performance:** Reads EN25T80 chips in approximately 3 seconds and writes in about 9 seconds, making it one of the fastest programmers available.
- **Automatic Chip Identification:** Automatically detects and identifies the connected chip.
- **Automatic Chip Detection:** Verifies the presence of a chip in the socket.
- **Automatic Power Supply Voltage Selection:** Automatically selects the correct power supply voltage for the chip.
- **Automatic Offline Copy Function:** Enables mass burning of memory chips without requiring continuous computer connection.
- **Broad Chip Support:** Fully supports 24 EEPROM, 25 SPI FLASH, and 93 EEPROM series chips.
- **Compact and Portable Design:** Its small size, comparable to an ordinary card, makes it easy to carry.
- **Operating System Compatibility:** Compatible with Windows 7 and Windows 8.

3. PACKAGE CONTENTS

Upon opening your EZP2019 package, you should find the following components:

- 1 x EZP2019 USB High Speed Programmer Unit
- 2 x Simple SOP8/16 Sockets
- 1 x SOP16 300mil Adapter
- 1 x SOP8 200mil/150mil Adapter
- 1 x 1.8V Socket Adapter
- 1 x SOP8 Clip
- 1 x USB Cable
- 1 x Software CD

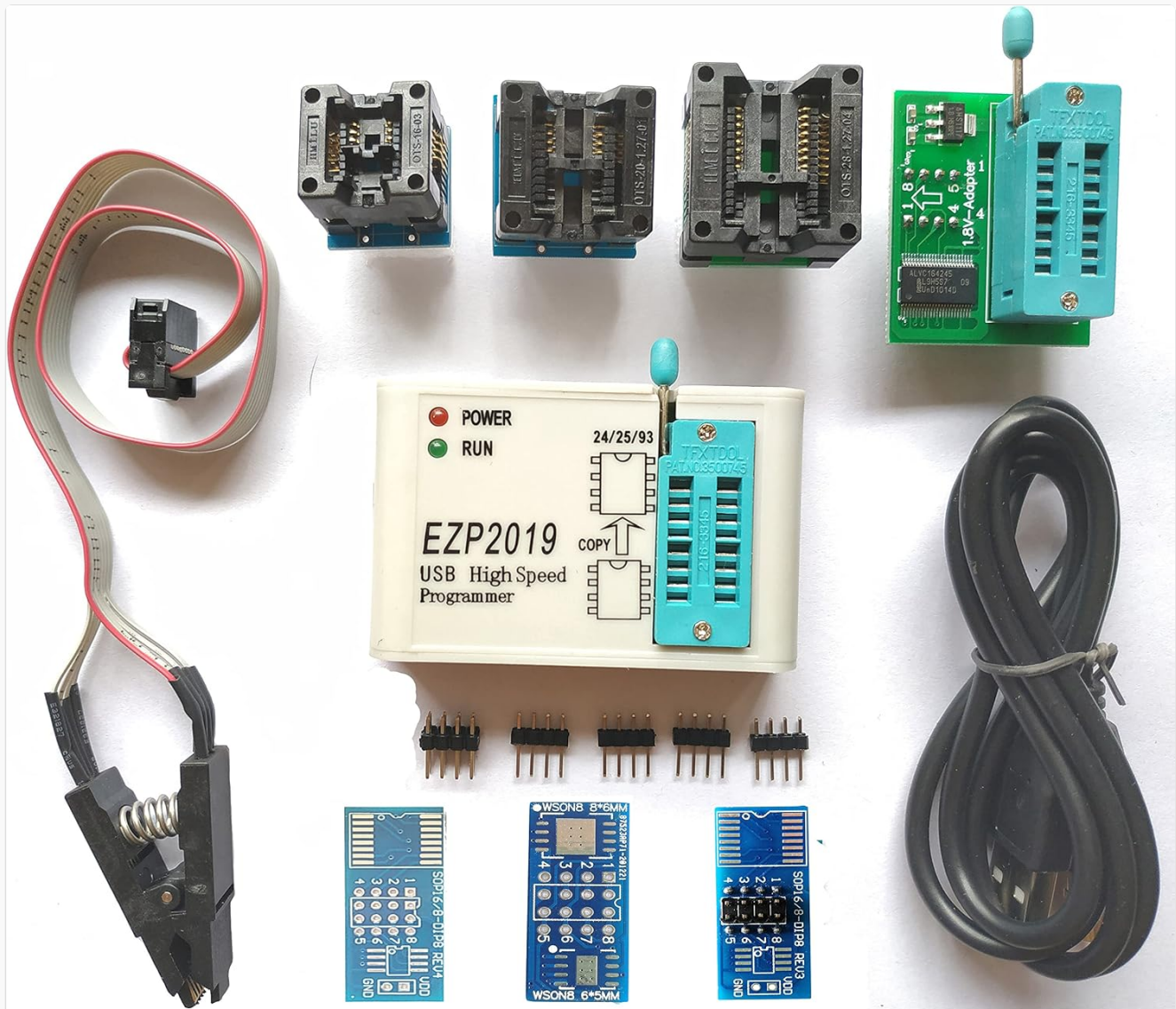


Image 3.1: Complete package contents of the EZP2019 programmer kit.

4. SETUP

Follow these steps to set up your EZP2019 programmer:

1. **Software Installation:** Insert the provided software CD into your computer's CD drive. Follow the on-screen instructions to install the EZP2019 programming software and necessary drivers. Ensure your operating system is Windows 7 or Windows 8 for compatibility.
2. **Connect the Programmer:** Connect the EZP2019 programmer to your computer using the supplied USB

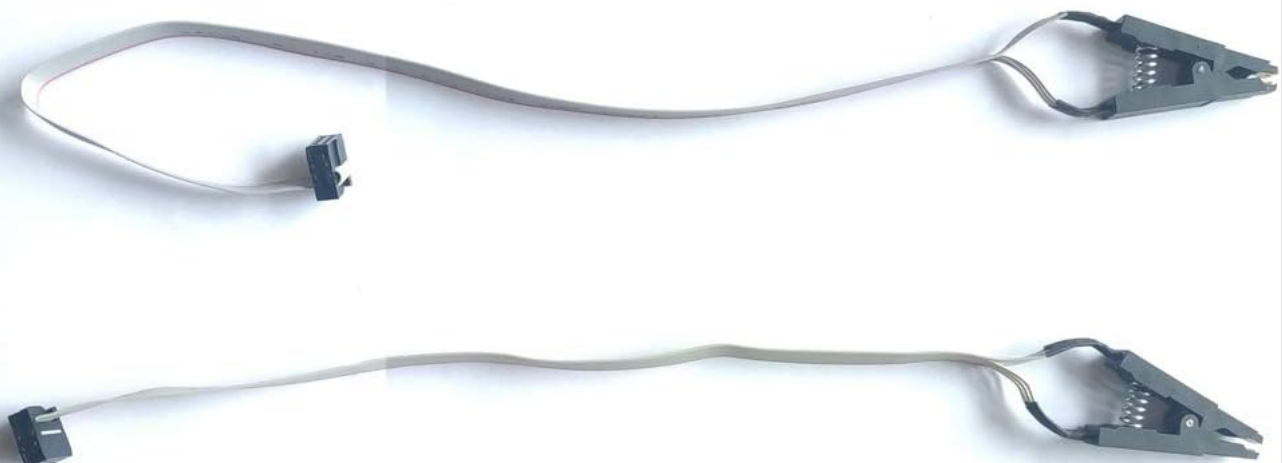
cable. The 'POWER' indicator light on the programmer should illuminate.

3. **Select Appropriate Socket/Adapter:** Based on the chip you intend to program, select the correct socket or adapter. The kit includes various adapters for different chip packages (e.g., SOP8, SOP16) and voltage requirements (e.g., 1.8V adapter).
4. **Insert the Chip:** Carefully insert the chip into the selected socket or connect the SOP8 clip to the chip on the board. Ensure correct orientation, paying attention to PIN1 markings on both the chip and the socket/programmer.

```
*****25 SPI FLASH*****
AMIC: A25L05PU, A25L05PT, A25L10PT, A25L05PU, A25L20PT, A25L512, A25L010,
A25L10P, A25L020, A25L20P, A25L040, A25L40P, A25L080, A25L80P, A25L016, A25L16P, A25L032, A25L32A
ATMEL: AT25SF12, AT25SF12A, AT25SF12B, AT25F1024, AT25F1024A, AT25F5010,
AT25DF021, AT25F2048, AT25F041A, AT25F4096, AT25F004, AT25F004A, AT25DF081A,
AT25DF161, AT25DF161A, AT25DF161A, AT25DF321, AT25DF321A, AT25DF321
EON: EN25F05, EN25F05, EN25F05, EN25D10, EN25F10, EN25F10, EN25F10, EN25D20, EN25B05, EN25B05T,
EN25F20, EN25L20, EN25D40, EN25F40, EN25L40, EN25D80, EN25F80, EN25Q80, EN25T80, EN25T80,
EN25B16, EN25B16T, EN25D16, EN25F16, EN25T16, EN25B32, EN25B32T, EN25F32, EN25G16,
EN25P32, EN25Q32, EN25B64, EN25B64T, EN25F64, EN25P64, EN25Q64, EN25F128, EN25Q128
ES: ES25F80, ES25F16
ESMT: F25L040A, F25L040A, F25L080A, F25L080A, F25L160A, F25L160A, F25L320A, F25L320A, F25L320A
MXIC: MX25L512, MX25V512, MX25L1005, MX25L2005, MX25L4005A, MX25V4005, MX25L8005,
MX25S8005, MX25L1605D, MX25L1635D, MX25L3205D, MX25L3225D, MX25L3235D, MX25L3237D, MX25L6405D, MX25L12805D
KH25L4006E, KH25L8006E, KH25L8006E, KH25L1606E, MX25V1005, MX25U4005, MX25V4005, MX25V8005, MX25U8005,
MX25L8006E, MX25L1606E, MX25L1635D, MX25L1635E, MX25L1635D, MX25L1608D, MX25L1608E, MX25U1608E, MX25L3225D
MX25L3237D, MX25L3236D, MX25L3206E, MX25L3235D, MX25U3235E, MX25U3235E, MX25L3208D, MX25L3208E, MX25L6465E,
MX25L6465E, MX25L6408D, MX25L6408E, MX25L6408E, MX25L6445E, MX25L6435E, MX25L12855E, MX25L12855E, MX25U12855E,
MX25L12845E, MX25L12835E, MX25L12835E, MX25L12835E, MX25L25635E, MX25L25635E, MX25L25635E, MX25L25635E,
MX25U25635E, MX25L25635E, MX25U25635E, MX25L51255E
NEXFLASH: NX25F10, NX25P20, NX25P40, NX25P80, NX25P16, NX25P32
PMC: PM25LV512A, PM25LV010A, PM25LV020, PM25LV040, PM25LV080B
SAIFUN: SA25F005, SA25F010, SA25F020, SA25F040, SA25F080, SA25F160, SA25F320
SPANSION: S25FL001, S25FL002, S25FL004A, S25FL008A, S25FL016A, S25FL032A, S25FL064A, S25FL0128
SST: SST25VF512, SST25VF512A, SST25VF010, SST25VF010A,
SST25VF020, SST25VF020A, SST25VF040, SST25VF040A, SST25VF080, SST25VF080B,
SST25VF016B, SST25VF032B, SST25VF040C
GIGADEVICE: GD25Q512, GD25Q10, GD25Q20B, GD25Q21B, GD25Q40B, GD25Q41B, GD25L40, GD25F40, GD25F80,
GD25Q80, GD25Q16, GD25Q32B, GD25Q64, GD25Q128, GD25Q256, GD25Q256WC
ST: M25P05A, M25P10A, M25P10, M25P20, M25P80, M25P40, M25P64, M25P80,
M25P80, M25P80, M25P16, M25P16, M25P32, M25P32, M25P64, M25P64, M25P64, M25P128
WINBOND: W25F10, W25X10, W25X10A, W25X10AL, W25X10L, W25F20, W25X20,
W25X20A, W25X20AL, W25X20L, W25F40, W25X40, W25X40A, W25X40AL, W25X40L,
W25F80, W25X80, W25X80A, W25X80AL, W25X80L, W25F16, W25P32, W25X32, W25X64
W25Q40, W25Q80, W25Q16, W25Q32, W25Q64, W25Q128, W25Q40FV, W25Q40FW, W25Q256
*****24 EEPROM*****
ATMEL: AT24C01, AT24C01A, AT24C01B, AT24C02, AT24C02A, AT24C02B, AT24C04, AT24C04A,
AT24C04B, AT24C08, AT24C08A, AT24C08B, AT24C16, AT24C16A, AT24C16B, AT24C32, AT24C32A,
AT24C32B, AT24C64, AT24C64A, AT24C64B, AT24C128, AT24C128A, AT24C128B, AT24C256, AT24C256A,
AT24C256B, AT24C512, AT24C512A, AT24C512B, AT24C1024, AT24C1024A, AT24C1024B
```

Image 4.1: Close-up view of the EZP2019 programmer with a chip socket inserted.

**More convenient to use
our clip length is 40 cm**



others only 25cm

Image 4.2: Illustration of how to use the 1.8V IC adapter and the standard 3-5V IC setup, highlighting PIN1 orientation.

5. OPERATING INSTRUCTIONS

Once the hardware is set up and the software is installed, you can begin programming chips:

1. **Launch Software:** Open the EZP2019 programming software on your computer.
2. **Detect Chip:** In the software interface, use the

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Email

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Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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