



The new Batronix Professional Programmer Series offers an exceptionally flexible, simple to use and extremely fast set of programming devices that support a broad range of chips including Eproms, EEproms, Flash, serial EEproms and other storage chips. With a height of only 2.5 cm the enclosures are very practical and are noted for their design and anodized die-cast aluminum construction. These programming devices are your first choice even in a harsh usage environment.

The exceptional flexibility is attained by providing all power requirements via the USB port. A power adapter or batteries are not required, since all programming voltages between 3 and 25 volts are provided internally by a voltage generator from the USB supply voltage. The chips are programmed at a high level of quality and reproducibility in the shortest time possible through the use of optimized algorithms and micro-controller managed programming times. All supported chips can be programmed directly in DIP/DIL packages and suitable adapters are available for specialized packages such as PLCC, SOP, TSOP and QFP.

| Chip Support                                                 | BX32<br>Batupo | BX32P<br>Barlino | BX40<br>Bagero |
|--------------------------------------------------------------|----------------|------------------|----------------|
| 27' NMOS from 2732                                           | ✓              | ✓                | ✓              |
| 27C, 27E, 27SF, 28, 28C, 28F, 28HC, 28SF, 29C, 48', 87', ... | ✓              | ✓                | ✓              |
| 29F (BX32/BX32P: without 29F100/200/400/800)                 | ✓              | ✓                | ✓              |
| 29LV, 29W, ...                                               |                | ✓                | ✓              |
| 39', 49', LPC, FWH                                           |                | ✓                | ✓              |
| 24', 25', 93', 95' serial EEproms                            |                | ✓                | ✓              |
| 29F100/200/400/800                                           |                |                  | ✓              |
| 16 Bit Chips                                                 |                |                  | ✓              |
| Free device add on customer request                          | ✓              | ✓                | ✓              |

| Special Hardware Features                                 | BX32, BX32P and BX40 |
|-----------------------------------------------------------|----------------------|
| USB Powered (no power adapter required)                   | ✓                    |
| Chip Auto Identification (identifies chips automatically) | ✓                    |
| Multi Programmer Control (up to 8 programmer at one PC)   | ✓                    |
| Automatic Programming Start (for mass production)         | ✓                    |
| High Speed Technology                                     | ✓                    |

The programming devices can be easily controlled using the modern and intuitive Prog-Express software. Chips inserted in the device can be detected automatically by the software and programming a chip from a file or copying an existing chip is done with a few mouse-clicks. Despite the easy to use interface, professional protection, split, auto-identify, auto-start and serial-number functions as well as a convenient hex-editor are available in addition to the basic functions like read, program, compare and erase.

The software and all updates and further versions are free, and the current version and updates can be downloaded from [www.batronix.com](http://www.batronix.com) at any time and used without an activation key. Hence the devices are still current even after several years. Support for further chips is added quickly and free of charge according to customer requests.

| Software Features                            | Prog-Express                                                                    |
|----------------------------------------------|---------------------------------------------------------------------------------|
| Process control                              | ✓                                                                               |
| Projects                                     | ✓                                                                               |
| File formats                                 | All at memory chips used file formats: Binary, Intel-Hex and Motorola S-Records |
| Offset functions                             | Data and chip offsets                                                           |
| Split functions                              | Complete 16 and 32 bit splitting                                                |
| Hex-Editor                                   | Convenient with all imaginably edit functions                                   |
| Seriennummerngenerierung                     | Flexibly, all variants, also extern serial number files can be used             |
| Software Updates                             | ~all two weeks, free via download                                               |
| Operation systems                            | Windows 98SE, ME, 2000, XP, 2003, Vista                                         |
| Supported languages<br>(software and manual) | Englisch, French, German, Italian, Portuguese, Spanish                          |

For bulk production of chips up to eight BX32, BX32P or BX40 devices can be controlled simultaneously from one PC using the Prog-Express software. These programming devices are a better alternative to expensive gang-programming devices due to their low cost and extremely high programming speeds, and also offer greater flexibility.

The newly developed control technology and USB 2.0 / 1.1 compatible full-speed data transfer rates put the BX32 / 32P / 40 among the fastest programming devices currently available. For example, 27SF256 (erasable 27C256) chips can be programmed in under two seconds and even complex, sequential-based 4MB chips like the AM29F040 can be programmed completely in under ten seconds.

Delivery including programmer, USB cable, Prog-Express software, manual (multi language) on CD.

| Hardware details    | BX32<br>Batupo                | BX32P<br>Barlino              | BX40<br>Bagero                |
|---------------------|-------------------------------|-------------------------------|-------------------------------|
| Interface           | USB 2.0 / 1.1<br>(Full Speed) | USB 2.0 / 1.1<br>(Full Speed) | USB 2.0 / 1.1<br>(Full Speed) |
| Socket              | 32 Pins                       | 32 Pins                       | 40 Pins                       |
| Low Voltage Support | -                             | down to 3V                    | down to 3V                    |
| Dimensions [cm]     | 9 x 8,5 x 2,5                 | 9 x 8,5 x 2,5                 | 14 x 8,5 x 2,5                |
| Weight [Gramm]      | 158                           | 160                           | 242                           |
| Warranty            | 5 Years                       | 5 Years                       | 5 Years                       |