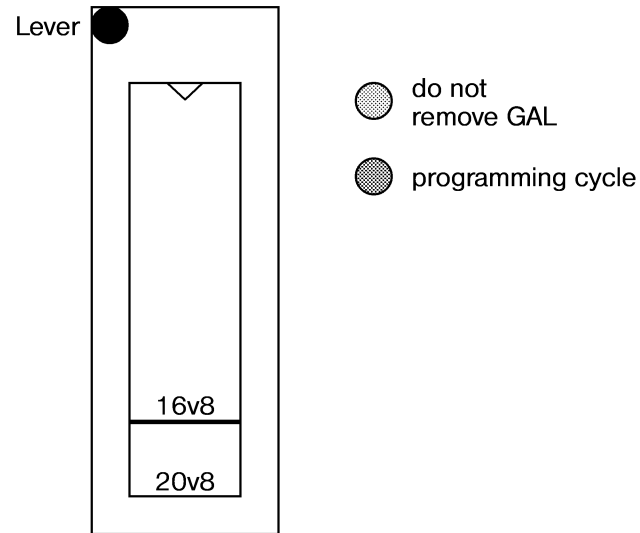


### Automatic detection of the GABI-Hardware

GABI-Software will detect the GABI-Hardware automatically at startup.

### How to place a GAL correct into the ZIF-socket

A GAL device has to be placed with pin1 tie up to the lever of the ZIF-socket.



GAL-Programming-Device with Software  
Do-it-yourself kit or plug&play

### Software installation

When starting GABI-Software for the first time, you have to enter your registration informations, which can be found on the back side of the original disc. Then you have to check the settings in the hardware-setup dialog. Don't forget to save the setup.

## GABI - GAL-Burning-Interface

GAL-Programming-Device with software

**Developers:** Holger Zimmermann, Roland Skuplik

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**Documentation:** R. Skuplik, R. Zimmermann

3. Edition from 01/09/2002

#### Limitations of warranty

Changes to the hard-, software or the documentation could be made without prior notification. There is no liability for the correctness of the documentation or damages, resulting from the (ab)use of the hardware. All changes to the own hardware are done on your own risk!

## Brief instructions for GABI-Hardware Rev.00

### Setting up the board for soldering

Please note, that both LEDs and the ZIF-socket are to be placed on the soldering-side of the board!

- pin1 of the ICs is marked by a square soldering pad and the edge in the assembly scematics on the top side of the board
- please mind the polarity of the ELKOs!
- never exchange the GND and the VCC inputs!
- plug/solder the parts in the following order:
  - resistors
  - ICs
  - condensators
  - all other parts on the top side of the board
  - ZIF-socket and both LEDs on the soldering side!
  - wires

### Case

The board is designed to replace the Maxon-GAL-Programming-Device. There is no separate case available.

### Connection of the GABI-Hardware to the computer

The GABI-Hardware has to be connected with the flat-ribbon cable to the parallel interface, after connecting the power supply (even if it is the keyboard or a separate power supply).

### Power supply

The board needs stabilised +5V, which can be drawn easily from the joystickport of the keyboard.

Pinout of the joystick port:

Pin 7 +5V

Pin 8 GND

A separate (external) power supply with stabilised +5V could be connected too.