

Config. program V1.00
Firmware for BDI2000 V1.01
Logic for BDI2000 V1.02



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Enhancements

- Load offset added to Telnet LOAD, VERIVY and PROG command.
- GDB binary downloading support added (X<memaddr>,<len>:bbbbbbbbb).
- Automatic load of binary files now also supported.
- Flash programming support for Atmel AT49 chips added.
- New flash erase modes support now chip and block erase.
- The flash programming function (PROG) now supports different file formats.
- User selectable Telnet prompt added. The Telnet prompt can be defined in the configuration file and also interactively changed during a Telnet session.
- Faster flash programming with algorithm running on the target added.

Config. program V1.01
Firmware for BDI2000 V1.01
Logic for BDI2000 V1.02



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Enhancements

- Support for BDI2000 Rev.C added.

Config. program ■ V1.02
Firmware for BDI2000 ■ V1.02
Logic for BDI2000 ■ V1.02



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Enhancements

- New Telnet command (CONFIG) added to display current BDI configuration.
- New Telnet command (DUMP) added to upload a binary memory image.
- Support for network configuration via BOOTP added.
- Improved Telnet interface with history buffer and line editing.
- The new Telnet command RDUMP writes the values of all user defined registers to a file on the host.
- The GDB „monitor“command can be used to access BDI Telnet commands.
- Support for GDB protocol Z-packet added.
- The application can send text to the GDB console (see manual).

Error Correction

- The erase time-out for AMD flashes has been increased. This was necessary because of long chip erase time.
- Error when host uses 64k TCP window corrected.
- Error in checksum calculation corrected (Telnet command MC).

Note:

The BDI's ethernet MAC address will change with this release.
The setup tool displays the new MAC address.

Config. program V1.03
Firmware for BDI2000 V1.03
Logic for BDI2000 V1.02



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Enhancements

- The Windows setup tools now allows to select a COM port in the range 1 - 19.
- New Telnet DELAY command added. Maybe useful when working with GDB command scripts.
- The Telnet CONFIG command displays the firmware version.
- The Telnet command „CONFIG“ allows to change the name and IP address of the configuration file. The new name and IP address is stored in the BDI's flash and a boot sequence is started.
- Telnet history buffer no longer filled with repeated commands.
- New RECONNECT option to the DEBUGPORT parameter added. When present, a Telnet/GDB (TCP) connection request to an already open TCP channel is accepted if the host IP is the same as the initial one. The old TCP channel will be closed immediately.
- Telnet accepts now multiple commands separated by a semi-colon on one line.
- Telnet IAC option handling improved.
- Download speed via GDB improved.
- Maximal number of software breakpoints increased to 64.
- Support for GDB p - packet (single register read) added.
- Some GDB protocol improvements.
- Target console output is also sent to the Telnet and not only to GDB.