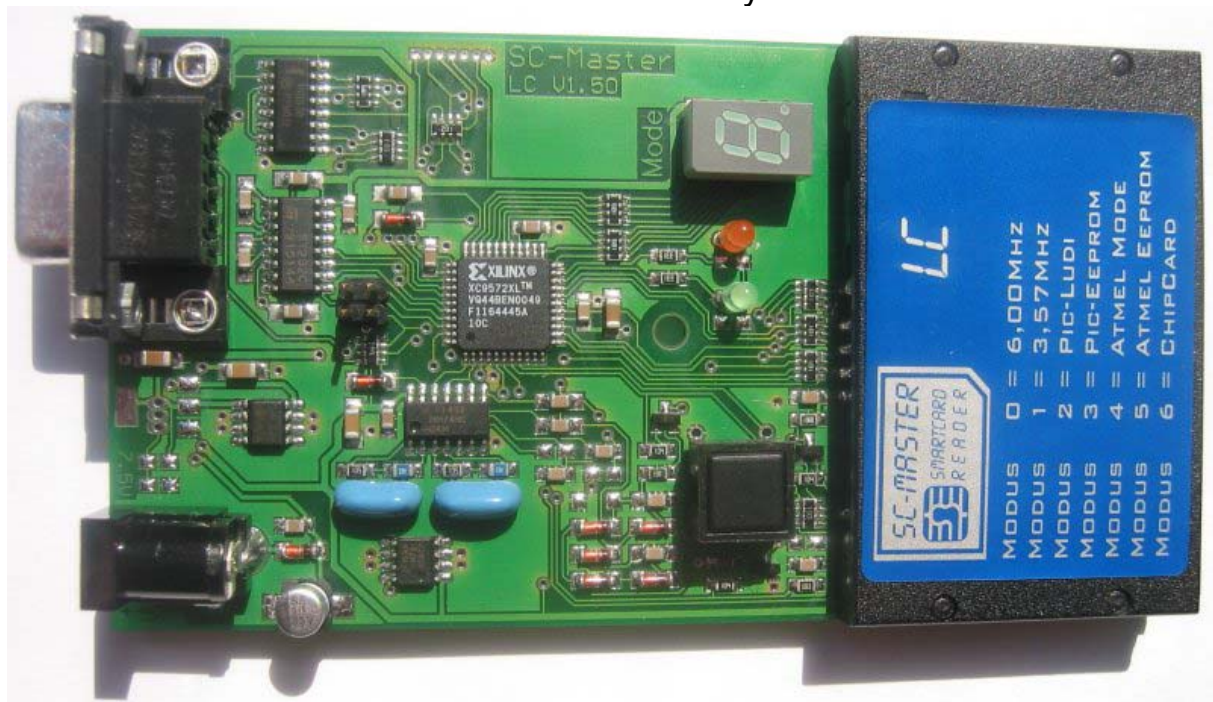


SC-Master LC

the passive

All-in-one Programmer

Made in Germany



SC-Master LC is a passive Smartcard programmer. It is controlled by a reprogrammable XILINX CPLD (Complex Programmable Logic Device). It is providing the change between the modes via pressing the push-button.

Features:

- 6 different modes for nearly every kind of chipcard and card program.
- Easy to handle via 1 push-button
- Works together with the SC-Master Program (Windows9x/NT/2k/XP)
- Indication of the adjusted mode via a 7 segment LED display
- 2 LED's (light emitting diode) for DATA (green) and RESET (red or orange)
- Reprogrammable XILINX CPLD (=Complex Programmable Logic Device), updateable by a PC program via serial access port for future modes!
- Optimal card protection. Signals will be activated with time deceleration, about 100 ms after the insert of the card and about 60 ms after the change of the modes and if drawn out or changed, they will be deactivated immediately, respectively. Additional protective resistors are integrated in the signal data lines.

Power supply:

SC-Master LC needs a simple stabilized wall power supply plug 7,5 - 9 Volt, >200 mA. It is protected against pole change. The plus pole of the power supply has to be in the middle of the plug.

RS-232-cable:

A serial 1:1 cable, plug on socket is required (more or less an extension cord of the mouse). Never use a twisted (zero-modem) cable, it will not work. Select a free COM access port at the PC (mostly COM1 or COM2), no other software should access the selected COM Port.

Operation:

After connecting the RS-232 cable and the mains supply the SC-Master LC is on mode 0. By pressing the push-button the SC-Master LC will change the operating mode. Please take care when inserting the Smartcard: the contact surface has to be downwards. If the card is inserted and the mode is activated, the point of the decimal 7 – segment indication is on.

The modes:

- 0** Mouse Mode with a Clock frequency of 6.00 MHz
- 1** Mouse Mode with a Clock frequency of 3,58 MHz
- 2** PICprog (Ludipipo)-Mode.
Please use Smartcards with PIC members ONLY.
Other cards may be damaged by the high tension while programming!
- 3** I2C-EEPROM-Mode. For programming of EEPROMS on 8 poles SMD
WAFER/PIC/Twostone© cards.
- 4** AVR-Programming-Mode. For programming of the Atmel (AVR-Controllers) on Jupiter
1/Twostone© and FUN cards (the EEPROM has to be loaded in the Mouse Mode after
the termination of AVR programming).
- 5** I2C-EEPROM-Mode. For programming of EEPROMS on 8-poles SMD Jupiter cards.
- 6** „Easy-Check“ Emulation (©ELV). On this mode operates the reading program for
chipcards of GSM-, telephone-, health insurance-, or pay cards. You will get the
program among <http://www.teledata-update.de>

More modes possible via software update!

Note:

From the day of purchasing on, the producer gives guarantee for 24 month on the SC-Master LC. In case of defect please return the Programmer back to the trader, where it has been bought. Defects at Smartcards or at the PC can not be warranted by producer or trader.

Transport and storing of the device only in antistatic packaging.
In case of non observance loss of guarantee.

More information and software at <http://www.sc-master.com>