

LOGO! software

9.1 LOGO! software

LOGO!Soft Comfort is available as a programming package for the PC. This software provides many features, for example:

- A graphic interface for offline creation of your circuit program by means of Ladder Diagram (contact chart / circuit diagram) or Function Block Diagram (function chart)
- Simulation of your circuit program on the PC
- Generating and printing of an overview chart for the circuit program
- Saving a backup of the circuit program on the hard drive or other media
- Comparing circuit programs
- Easy configuration of blocks
- Transferring the circuit program in both directions:
 - from LOGO! to the PC
 - from the PC to LOGO!
- Reading the values of the hour counter
- Setting the time of day
- Summertime/wintertime conversion
- Online test: Display of status changes and process variables of LOGO! in RUN mode:
 - Status of a digital I/O, flags, shift register bits and cursor keys
 - The values of all analog I/O and flags
 - The results of all blocks
 - The current values (including the times) of selected blocks
- Starting and stopping circuit program execution via the PC (RUN, STOP)
- Network communication (0BA7-specific feature)
- Creating UDF blocks for use in a circuit program (0BA7-specific feature)
- Configuring the Data Log function block for your circuit program to record process values of the configured function blocks (0BA7-specific feature)

The LOGO! alternatives

As you can see, LOGO!Soft Comfort represents an alternative to conventional engineering methods, with several advantages:

- You can develop the circuit program on your PC.
- You simulate the circuit program on your computer and verify its functions before you actually implement it in your system.
- You can add comments to the circuit program and create hard copies.
- You can save a copy of your circuit program to the file system on your PC, to make it directly available for modifications.
- It takes only a few key actions to download the circuit program to LOGO!.

LOGO!Soft Comfort

LOGO!Soft Comfort runs under Windows 7.0®, Windows Vista®, Windows 98®, Windows NT 4.0®, Windows Me®, Windows 2000®, Windows XP®, Linux®, and Mac OS X®. LOGO!Soft Comfort is capable of client/server operation and offers you a high degree of freedom and comfort for creating your circuit program.

LOGO!Soft Comfort V7.0

This is the current version of LOGO!Soft Comfort. You will find all the functions and the functionality of the devices described in the online help for LOGO!Soft Comfort V7.0.

Upgrading previous LOGO!Soft Comfort versions

You can use the **Help → Update Center** menu command in LOGO!Soft Comfort V7.0 to upgrade LOGO!Soft Comfort V1.0, V2.0, V3.0, V4.0, V5.0, or V6.1 to V7.0.

Order numbers are found in the Appendix topic "Order numbers".

Note

If a full version is not installed, you can carry out an upgrade as follows:

- Install the new software from the DVD.
 - When the system prompts you for the previous version, place the old LOGO!Soft Comfort DVD in the DVD drive.
 - Point your browser to the "...Application" directory on the DVD.
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Updates and info

You can download demo versions of the software free of charge from the Internet address specified in the preface.

For detailed information on updates, upgrades and the LOGO!Soft Comfort Update Center, refer to the LOGO!Soft Comfort online help.

9.2 Connecting LOGO! to a PC

Connecting the PC cable (for LOGO! 0BA6 only)

To connect LOGO! to a PC, you need the LOGO! PC cable. See the Appendix "Order numbers (Page 363)".

Turn the power off to the LOGO! Base Module. Remove the cap, memory card, or combined memory/battery card from your LOGO! and connect the cable to this socket. Connect the other end of the cable to the serial port of your PC.

Connecting the USB PC cable (for LOGO! 0BA6 only)

You can also connect LOGO! to the PC with the LOGO! USB PC cable. For the cable's order number, refer to the Appendix "Order numbers (Page 363)".

Remove the cap or memory card, battery card, or combined memory/battery card from your LOGO! and connect the cable to this socket. Connect the other end of the cable to a USB port of your PC.

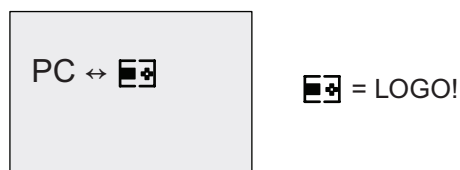
Switching LOGO! to PC ↔ LOGO! mode

Switch the LOGO! with/without display to STOP from your PC (refer to the LOGO!Soft Comfort online help), or select the ESC / >Stop command on a device with display and confirm the entry with 'Yes'.

When LOGO! is in STOP and online with the PC, the following PC commands are accepted:

- Switch LOGO! to RUN
- Read/write the circuit program
- Read/write the summertime/wintertime

When you start the upload/download in STOP, the following display appears automatically:



Note

You can switch earlier versions up to 0BA3 with/without display to PC ↔ LOGO mode as follows:

1. Switch off the power supply to LOGO!.
2. Remove the cover or the memory, battery, or combined memory/battery card and connect the cable to this socket.
3. Switch on power.

LOGO! switches automatically to PC ↔ LOGO mode.

The PC can now access LOGO! For information on this function, refer to the LOGO!Soft Comfort Online Help.

For more information on LOGO! versions without display, refer to the Appendix topic "LOGO! without display ("LOGO! Pure") (Page 351)".

Closing the PC ↔ LOGO! mode

When the data transfer is completed, the connection to the PC is shut down automatically.

Note

If the circuit program created with LOGO!Soft Comfort is password protected, both the circuit program and the password are downloaded to LOGO!. The password prompt is enabled at the end of the data transfer.

The upload of a password protected program created in LOGO! is only possible after the correct password is entered in LOGO!Soft Comfort.

Connecting a standard Ethernet cable (for LOGO! 0BA7 only)

To connect LOGO! 0BA7 to a PC, you need a standard Ethernet cable. Network communication between LOGO! 0BA7 and the PC takes place with Ethernet only.