

Communication Software for Stepper Motor Controllers

MiniLog-Comm

The Phytron communication software MiniLog-Comm is a Windows® program for easy programming and operating.

It supports the following stepper motor controllers:

MCC, OMC, TMC or IXEα.

MiniLog-Programs¹ are edited, transferred to the controllers, tested, printed and stored by the MiniLog-Comm software.

Depending on the controller type up to 8 axes can be managed simultaneously.

The PC is connected to the controller by USB, RS 485, RS 232 or Ethernet.

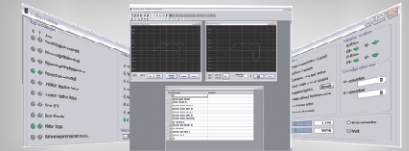
¹MiniLog is a well-tried instruction code for the programming of the Phytron stepper motor controllers.

Functions

- ▶ Start controller program
- 🔍 Search controller
- 📄 Query of variables during program sequence
- 🗨 Dialog Open operation
- 📤 Send parameter
- 📍 Show current x-y-position
- 📊 Dialog Open status monitor

MiniLog-Comm software offers further comfortable functions :

- Test mode for checking the programs stepwise
- Direct instruction input
- Status window
- Motion Creator converts the graphic of operational profiles in MiniLog programs



Technical Information

- Communication software for the Phytron stepper motor controllers MCC, OMC, TMC und IXEα
- MiniLog-Comm[®] is a registered trademark of the Phytron-Elektronik GmbH.
- Putting into operation, configuration and error diagnosis
- Programming and operation of the connected controllers via PC
- Online status display for safe operation and easy maintenance
- Editing, testing, storing, transferring and managing of customer owned programs acc. to DIN 66025 or in the Phytron MiniLog format
- System requirements: Windows® 2000, XP, Vista or 7
- Browser independent installation software
- Installation from CD
- Connection to the PC via USB, RS 485, RS 232 or Ethernet
- Graphical interface
- Menu dialog German or English

Example: Activation of 3 axes via USB-RS 485-converter

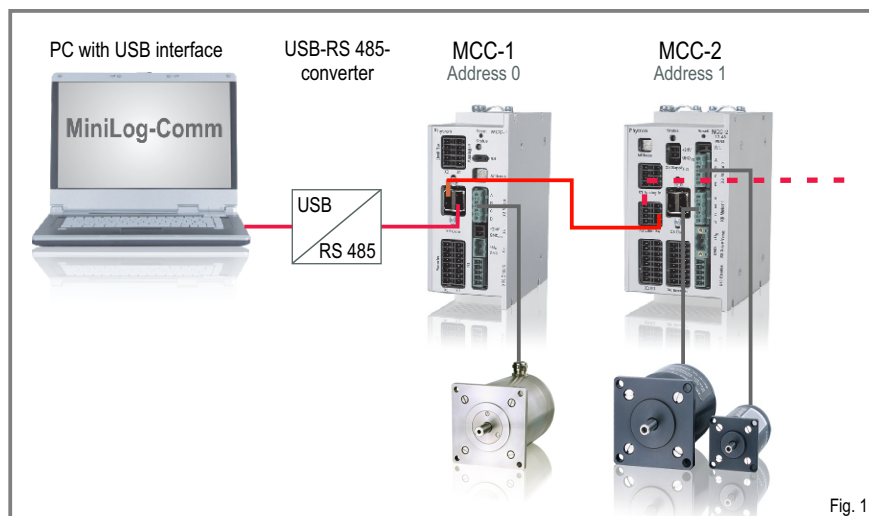


Fig. 1

Menu Examples

The screenshot displays the Minilog-Comm software interface. At the top, there is a menu bar (File, View, Transmission, Controller, Options, Help) and a toolbar with icons for file operations and axis control. Below the toolbar is a row of buttons labeled 0 through F. The main window contains several sub-windows:

- Show Position:** A graph showing a diamond-shaped path on a coordinate system. The axes range from -4000.0 to 4000.0. Below the graph are controls for Div X (1000.00), Div Y (500.00), and Update-Time in ms (20).
- Helpfile Beispiel.mcf:** A graph showing a complex path on a coordinate system. The axes range from -6000.0 to 10000.0. Below the graph are buttons for Set, Center View, Generate Minilog, Delete, and Close.
- Operation:** A control panel with buttons for Axis2+ (Y+), Axis1- (X-), Axis1+ (X+), and Axis2- (Y-). It also includes MOP functions (Axis1 MOP-, Axis1 MOP+, Axis2 MOP-, Axis2 MOP+), a list of existing axes (Axis 1-8), and a section for Go... (Relative/Absolute) and Counter value (Axis1 (X) 0, Axis2 (Y) 1). A large red button labeled "! STOP !" is prominent. At the bottom, there are frequency sliders for Axis1 (X) and Axis2 (Y) ranging from 0 to 40k.

The status bar at the bottom shows "MCC COM1 <Open> 115200, n, 8, 1 NUM".