ServiceBus-Comm®

Communication Software for Stepper Motor Power Stages

ServiceBus-Comm

The phytron ServiceBus-Comm communication software, designed for Windows® PC, assists the user to program and operate stepper motor power stages – e. g. MCD+, MR8+, PAB+ – equipped with **ServiceBus**[1] interface.

Operating parameters like run current, stop current, step resolution, current delay time or other parameters depending on the type of power stage, can be edited by PC, saved and transmitted to each power stage.

ServiceBus-Comm helps to monitor the actual current, power stage or motor temperature during operation.

Status windows show input states and make it possible to set outputs or display detailed error messages.
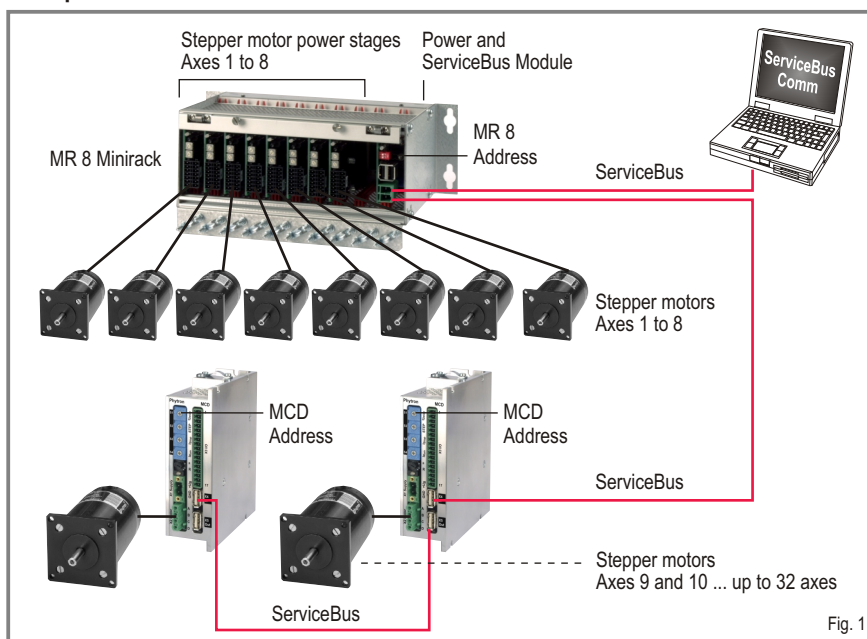
Up tp 32 stepper motor axes can be simultaneneously distributed by ServiceBus-Comm.

[1] All types of phytron control units with ServiceBus functions are labeled +.

Functions

Make new .spc parameter file

Open parameter file

Save parameter file

Print parameter file

Open help menu

Search for power stages connected to the ServiceBus

⚪ Power stage is offline

🟢 Power stage is connected

🟡 Power stage connected, parameter file ready for transmission

🔴 Power stage error

Reset power stage

Technical Information

- Communication software for stepper motor power stages with ServiceBus interface

- ServiceBus-Comm® is a registered trademark of the Phytron-Elektronik GmbH.

- Putting into operation, configuration and error diagnosis

- Programming power stage parameters

- Online status display for safe operation and easy maintenance

- Parameter memory for data backup

- Designed for PC under Windows® 95, 98, 2000, NT, XP

- Browser independent installation software

- Installation from CD

- RS485/4-wire connection of the power stages or ServiceBus modules

- Connection to the PC by USB, RS485/4-wire or RS422

Example: 10 Axes ServiceBus

Stepper motor power stages Axes 1 to 8

Power and ServiceBus Module

ServiceBus Comm

MR 8 Minirack

MR 8 Address

ServiceBus

Stepper motors Axes 1 to 8

MCD Address

MCD Address

ServiceBus

Stepper motors Axes 9 and 10 ... up to 32 axes

ServiceBus

Fig. 1

Communication Software

Menu Examples

ServiceBus-Comm Overview

- Menu-driven desktop, mouse functions
- Hotkeys
- Selectable menu dialog language: English / German / French
- ServiceBus-Comm operates dynamically, i. e. RAM is only occupied as long as actually required.
- Easy and quick parameter setting up to 32 power stages
- Old and new parameters can be compared.
- Parameter settings are editable as well online as offline.

Individual Solutions without ServiceBus-Comm Software

- Optionally, ServiceBus instructions and functions can be handled by individual software. Readable ASCII string instructions are editable with LabView, HyperTerminal or C language.