

RS-232 – USB converter users instructions

Functioning:

The PENDRIVE is connected by a special program to the serial in and out of the control panel. This device has two outlets, one for the serial in and out connection, and one for USB port for the PENDRIVE. When the PENDRIVE is not connected the normal operation is unaltered, but if the PENDRIVE is connected the device automatically directs the data traffic to the USB.

Operating on with the control panel:

The PENDRIVE does not have a specified soft key for itself. When the controller recognises the PENDRIVE a yellow quadrangle appears on the right up corner of the monitor, which changes to red when the actual data transfer starts. After recognising the PENDRIVE the data traffic is automatically transferred to go and come from the PENDRIVE. (Removing the PENDRIVE when the data flow form and to it is active can lead to data loss and unexpected malfunction!). The speed of the data communication to and from the PENDRIVE is automatically controlled by the control panel.

For some slow PENDRIVES the output speed can be changed by changing the parameters. In the case of N2141 = 0, the speed is 9600 BAUDs, in the case of N2141 = 1 the BAUD value is maximal.

Downloading from the control panel to the PENDRIVE:

1. **Programs:** in the usual way more than one programs can be marked at the same time. The name of the program is automatically generated from its name and the file's extension becomes .NCT. If the pendrive contains an other program with the same name, it will be automatically overwritten without asking permission or giving warning.
2. **Parameters:** the name of the sent out parameter will be SNCT.PAR. If the PENDRIVE contains an other parameter with the same name, it will be automatically overwritten without asking permission or giving warning.
3. **PLC:** the name of the sent out PLC will be SNCT.PLC. . If the PENDRIVE contains an other PLC with the same name, it will be automatically overwritten without asking permission or giving warning.

Reading from the PENDRIVE to the control panel:

1. **Programs:** the maximum number of programs downloadable from the PENDRIVE at the same time is 255. The extension of the programs must be .NCT, and before the extension the name must only consist of up to 8 characters, for example (the DOS name convention) TRY.NCT is a valid name. If the control panel contains a program with the same name, the control panel will ask you whether you wish to overwrite the already existing file.
2. **Parameter:** the file name must be NCT.PAR.
3. **PLC:** the file name must be NCT.PLC.
4. **System:** the file name must be NCT.SYS, in order to generate a NCT.SYS file you need an other program. The system loads in the manner of serial data transfer.

Files on the PENDRIVE:

The files must be in the root of the PENDRIVE. Only the file names listed above are recognisable for the control panel. Naturally the PENDRIVE can contain other kind of files as well (for example machine datas), but these should be stored in different directories.