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SKDS Version differences

File-Format

- If an (old) .SKD-File contains any access restriction parameters, it cannot be read from a SKDS-Version < 2
- In Version 4 the file format has completely changed, and there are incompatible to previous versions.
- Prior to version 4, two files (*.sd1 & *.skd) were needed at once, since V4 both files are combined into one .scs- file

Module-Id

- On ISO9141 the normal Modul- and Tester-Ids are from \$00 to \$7F, on CAN it goes from \$700 to \$7FF, but for compatibility reasons the Ids in the scripts also go from \$00 to \$FF and the Offset of \$700 is automatically added by SKDS itself.

Programming

- The format of the sent and received byte array t[] is slightly different. For details, see [telegrams](#)
- On the ISO9141-version the Diagnose()- Command sends a Request-Diagnostic-State- Telegram at the beginning, then regular tester-present-telegrams and a Request-Operational-State-telegram at the end.
- The CAN-Version only sends regular Request-Parameter-by-PID-msgs to keep the link alive, so the script itself has to make the other mode-changes with separate telegrams.

Connection

- The ISO9141-Version needs a free COM-Port
- the CAN-Version needs an installed CanCardX system (at least a supported CAN-Device, the related device driver and the canlib.dll Version >= 2.7)

Preferences

For the ISO9141 the preferences are

- the Com-Port (1..4) can be selected, which the SKDS-Converter is connected to
- and the Editor can be selected, which should be used for editing the script-files

For the CAN-System the preferences are

- the bus-speed can be switched between 500 and 125kbaud
- the bus-timing parameters can be set

Version log

- **1→2.0** Can-bus instead of serial line
- **2.0→2.1** reworked can-interface to supply canlibrary>2.7
- **2.1→2.2** new commands: Upload, Download, WriteDataByLocalId, ReadDataByLocalId, KeyMatchTo
- **2.2→2.5** new command: md5sum
- **2.5→3.0** UDS implemented, Skype connectivity, tons of minor improvements
- **3.x→4.0** deletion of dongle dependency, RSA encryption, released as freeware

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