Objective

The Baby-LIN configuration is stored in an SDF file and can be installed on a Baby-LIN device for auto start. In this scenario intellectual property inside the SDF is protected, because downloading SDF from a device is not possible.

But there are various other use cases where you must pass on the SDF itself to your customer.

- Using SDF file with your own application software
- Deployment of SDF update
- Customer uses Simple Menu together with GUI definitions contained in SDF.

For these cases, the SDF protection feature is provided.

This SDF protection feature allows loading SDF via Simple Menu and using the embedded GUI definitions without limitation but avoids loading SDF into SessionConf program.
So, a protected SDF can't be viewed, analyzed or changed by your customer.

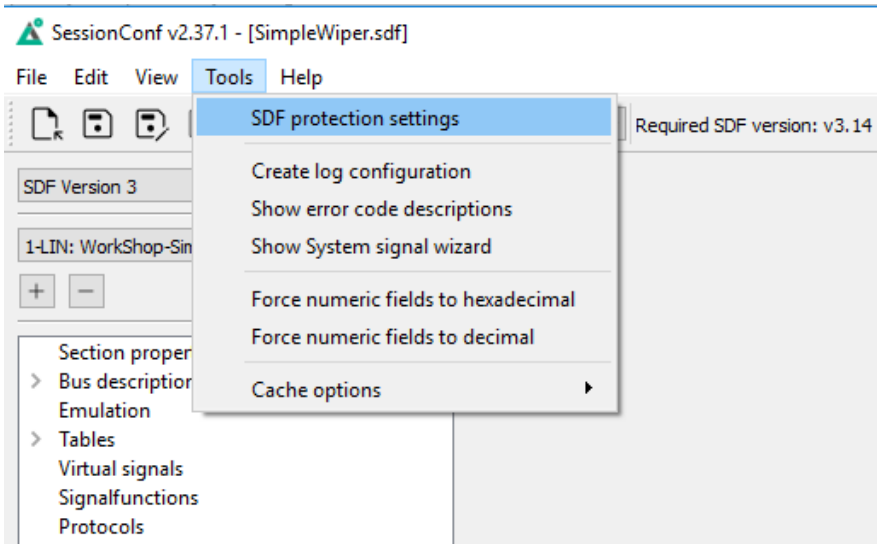
Additional SDF protection can be extended by a list of Baby-LIN serial numbers.
This allows for binding the usage of such a SDF configuration to one or multiple specific Baby-LIN devices.

How to apply SDF protection

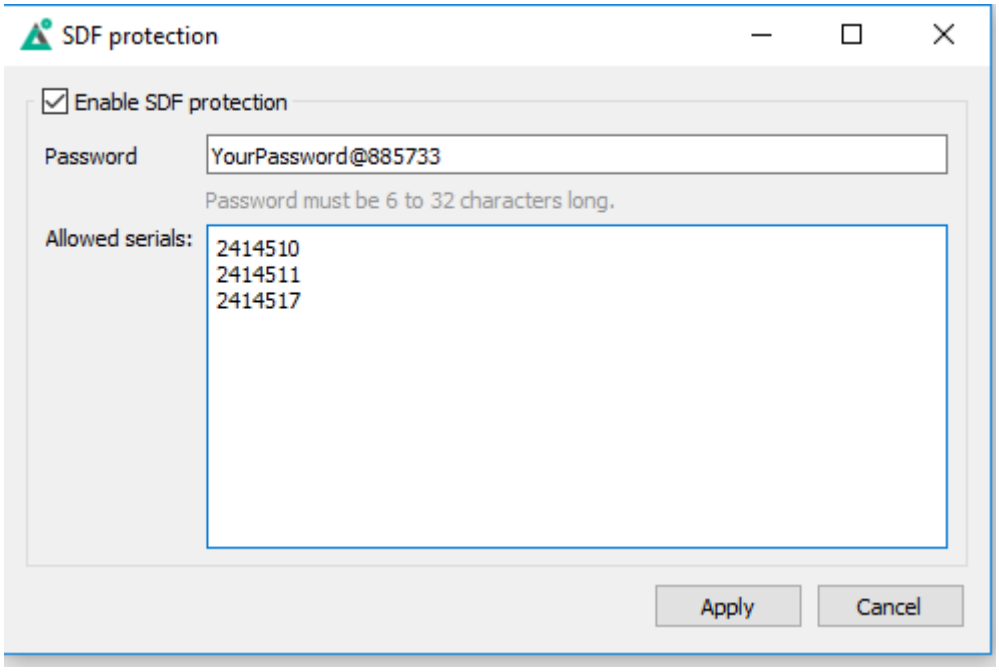
SDF Protection is applied with LINWorks SessionConf application with version >= 2.37.0

Just as a hint, before applying protection, copy the SDF you want to protect to another file, because after protection you won't be able to open it again, if you lost the password ! For this case it will be helpful to have a non-protected version available.

Open the SDF you want to protect with SessionConf and select SDF protection from Tools menu.



This shows up the protection mask where you activate the checkbox "Enable SDF protection",



Then you enter your password into the password field.

Only printable ASCII characters (0x20…0x7F) are supported, so don't use characters like 'ö', 'ä', 'ü' or 'ß' in your password.

Make sure to note your password in a safe place, because if you forget it, you won't be able to open the SDF in SessionConf again anymore..

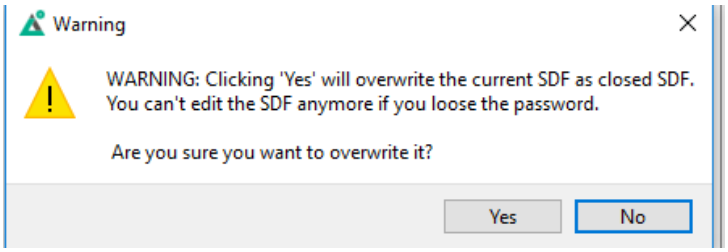
Optionally you can enter a list of serial numbers.

If the list is empty. the protected SDF can be loaded on any Baby-LIN for execution.

If the list contains one or multiple serial numbers, the SDF will run on Baby-LIN devices with matching serial numbers only.

This allows for binding a SDF solution to specific Baby-LIN devices.,

If you are done with you inputs, press the button "Apply"



Finaly you are asked to confirm you really want the SDF to be protected, and then the SDF is converted into a protected SDF.

Limitations

Protected SDF files cannot be applied on HARP or on Baby-LIN-devices, which can load SDF from an optional microSdCard.

For the current Baby-LIN-3-RCplus this capability was introduced with Firmware V.6.28.0.

Make sure to use latest LINWorks Version (>=2.40.2) for this feature.

Document Revision History

Date	Revision	Author	Comment
29.10.2024	A	AL	Initial Version
13.3.2026	B	AL	Update regarding Baby-LIN-3-RCplus and allowed password characters