

HASP SRM Protection Technology Summary

To work with HASP SRM protected applications you need the following:

1. to get a hardware key HASP HL (*HL means Hardware License*) of one of the following types:
 - HASP HL Pro (a key for a local machine)
 - HASP HL Max (a key for a local machine)
 - HASP HL Time (a key with time limit for a local machine)
 - HASP HL Net 010/050/250 (a key for network use)
 - HASP HL Net Time 010/050/250 (a key with time limit for network use)

The key should be licensed for the protected application.

2. to install HASP SRM RTE (*RTE means Run-time Environment*) on every machine where the protected application is used.

HASP SRM RTE installs HASP HL *key driver* and *Admin Control Center* utility (*ACC*). Special version of HASP SRM RTE includes a *trial license* for an application – a HASP SL key (*SL means Software License*) of special type that allows using the application without any HASP HL key for 30 days period.

HASP SRM RTE is installed automatically during KOMPAS-3D V11 installation. In other cases to work with HASP SRM protection keys you must install HASP SRM RTE manually:

- 1) find *haspdinst.exe* file in *C:/Program Files/ASCON/KOMPAS-3D V11/hasp/* directory on the machine where you have already installed KOMPAS-3D V11 (this file includes trial license for KOMPAS-3D V11 and libraries) or in *../Support/HASP SRM/Driver/* directory on distribution disk or download it here: <http://sd.ascon.ru/ftp/Public/Utils/HASP%20SRM/driver/> (both files do not include trial license);
- 2) execute *haspdinst -i* for this file in command line.

ACC is an *all-in-one* utility that includes HASP *License Manager* for network keys, protection system *diagnostics* and license *access monitoring* tools.

In addition ACC provides the following information:

- HASP HL driver version;
- accessible HASP HL(SL) keys;
- accessible licenses;
- currently used licenses (opened sessions).

Also ACC enables you to:

- update license data in your HASP HL key using *.v2c-file (*V2C means Vendor-to-Client*);
- administer access to keys and licenses;
- write an access log for network keys and view a history of log entries.

ACC is a web-based utility – open <http://localhost:1947> in your browser:

The screenshot shows the HASP License Manager Admin Control Center interface. The title bar reads "HASP SRM Admin Control Center...". The main header includes the HASP SRM logo and "HASP License Manager Admin Control Center". Below the header is a blue bar with the text "HASP Keys available on MAKEEVA". On the left is a sidebar with "Administration Options" including HASP Keys, Products, Features, Sessions, Update/Attach, Access Log, Configuration, and Diagnostics. The main content area contains a table with the following data:

#	Location	Vendor	HASP Key ID	Key Type	Version	Sessions	Actions
1	Local	DEMOMA - evaluation	165044959333	HASP SL	1.40	-	Features Sessions
2	Local	46707	146200870128	HASP SL	1.40	-	Products Features Sessions
3	TERMINAL	Master	2109668949	HASP SRM Master	3.21	-	Browse Net Features
4	TERMINAL	Master	202771862	HASP SRM Master	3.21	11	Browse Net Features
5	Local	46707	837402920	HASP HL Net 250+	3.21	1	Products Features Sessions Blink on

Picture 1: Admin Control Center/ HASP Keys

3. **IMPORTANT!** *HASP SRM protection technology works with HASP HL keys of firmware version 3.21 only!*

Firmware version of a HASP HL key is shown in *Admin Control Center* on page *HASP Keys* (see *Picture 1*): insert your HASP HL key and wait till it is detected by operating system. Then open *Admin Control Center* on page *HASP Keys* (http://localhost:1947/_int_/devices.html), find your HASP HL key in the table and check the value in column *Version*. If firmware version differs from 3.21, you are to update it:

1) download *HASP SRM Firmware Update* utility here: http://sd.ascon.ru/ftp/Public/Utils/HASP%20SRM/firmware_update/;

2) launch the utility and press *Apply Update* button. ***Do not remove the key during firmware update process!***

3) when finished, check in *ACC/HASP Keys* that firmware version is **3.21** now.