



Application Solutions
(Electronics and Vision) Ltd

The Riverside Centre
Railway Lane
Lewes
East Sussex
BN7 2AQ
Tel: +44 (0) 1273 476608
Fax: +44 (0) 1273 478888
www.asl-vision.co.uk

SOFTWARE RELEASE NOTE

This software is provided for evaluation purposes only. While every effort has been made to ensure its suitability, it has not been thoroughly tested, and ASL can accept no responsibility for any damage caused by its use.

Customer name:	ASL-Vision (ASL internal project)
Project number & name:	ASL0644 Non Mainstream Video ECU
Date released:	24 th March 2017
Software title:	ASL360 Configuration Tool
Filename:	ASL360ConfigurationTool-4.5.0-win32.exe
Version:	CSH_AS360_Configuration_Tool_V04.05.00
File size / Checksum:	(from checksum -3) CRC32=baee012ah (00000000h to 006ea710h) [Binary] ASL360ConfigurationTool-4.5.0-win32.exe
Archive location of executable or hex file:	(e.g. <i>asl0414\sw\main\target\retail\v1.4\image\ovv.mot</i>) \\asl.lan\root\projects\asl0644\Sw\releases\CSH\CSH_AS360_Configuration_Tool_V04.05.00\
Version manager archive location:	(e.g. <i>\$\projects\asl0414\sw</i>) http://trac.asl.lan/repos/asl0644/releases/CSH/CSH_AS360_Configuration_Tool_V04.05.00
Version manager archive label:	(e.g. "Version 1.02 build 10") http://trac.asl.lan/repos/asl0644/tags/CSH_AS360_Configuration_Tool_V04.05.00
Purpose of release	For release to customers.
Level of testing	v4.5 - Partial SAT
Compatibility	ECU 4
Build tools and versions	Qt 4.8.0 GNU Make 3.81
Other comments (notes & cautions)	

List of changes	
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Release Approvals

Role	Name (print)	Signature	Date
Engineer	Menaka B	<i>Menaka B</i>	23/03/2017
Tester	Vadiraj S	<i>Vadiraj S</i>	24/03/2017
Project Manager	Roy Perry	<i>Roy Perry</i>	24/03/2017

<p>List of changes</p>	<p>4.5 Changes: 24 March 2017 ASL0644-CR4786 CSH: Raw view with Flip functionality ASL0644-CR4748 CSH: Customer Disclaimer implementation and logo warning messages support.</p> <p>4.4 Changes: 24 May 2016 ASL0644-CR4767 CSH: Support USB license keys</p> <p>4.3 Changes: 25 July 2014 ASL0644-CR4606 CSH: Confusing sw string ALT text when ECU is compatible ASL0644-CR4588 CSH: Initial ROI values are different to those stored and reloaded. ASL0644-CR3285 CSH: Record snapshot - should record all cameras ASL0644-CR4655 CSH: Holding down ALT while selecting next camera to calibrate disables all buttons, so calibration cannot finish ASL0644-CR4601 CSH: CSH does not warn user if design not saved before transferring to ECU</p> <p>4.2 Changes: 4 June 2014 ASL0644-CR4514 CSH: When calibrating better checking that the point clicked is on the ground. ASL0644-CR4513 CSH: small GUI changes: <ul style="list-style-type: none"> • When the user opens a legacy design then give the user a hint message to use F11/F12 to show tint with new and legacy blend algorithms. • Fix spelling of recommend (recomend->recommend) • Hide (not just grey) the harmonisation on/off action. • Logical camera drop down template list order is not very sensible, group with 2,3,4,5,6 camera all close in the list. ASL0644-CR4512 CSH: If a screen is not blank then check to see if the FSM activates the screen via the view loop ASL0644-CR4511 CSH: Legacy to new alpha blend operation. ASL0644-CR4508 CSH: Code tidy up - re-factor class names, remove unused code modules. ASL0644-CR4510 CSH: If the fsm activates a screen then check that the screen is not a blank screen, if it is a blank screen then issue a warning. ASL0644-CR3901 CSH: Calibration: can return result with acceptable error BUT with camera zs = 0 ASL0644-CR4491 CSH / Configure Calibration / editing camera site / selecting new camera: pointer motion necessary before site icon updates ASL0644-CR4537 CSH: Change 'Calibrate only' license GUI enabled/disabled items etc. ASL0644-CR3518 CSH: window list: copy & paste windows - check for resource limits being exceeded. ASL0644-CR4541 CSH: If only calibration visualisation has changed then on exit warn user that the design calibration visualisation has changed.</p> <p>4.1 Changes: 11 April 2014 ASL0644-CR4445 CSH: OpenGL Typo (of of) ASL0644-CR4443 CSH: old Unresolved OpenGL error, still shows when windows updates not uptodate ASL0644-CR4441 CSH: Clear any residual OpenGL errors, remove unused extensions, better error dialog. ASL0644-CR4472 CSH: Change the unlicensed behavior for Harmonization, No ASL logo, use Custom logo. ASL0644-CR3378 CSH: Warning if design has no screen activation and trap other design errors. ASL0644-CR4471 CSH: Allow user to define an exposure region for each camera ASL0644-CR3089 CSH: Add a creation date and sw version to design and camera data files. ASL0644-CR4481 CSH: general GUI improvements. <ul style="list-style-type: none"> • Review and improve the text in the messages. • Better toolbox tabs. • On screen change set group combo box to the best topview group number (this will be the group# of a topview on that screen). • Clearer GUI indication of hover over a slider. • In Configure calibration toolbox show all target points that need to be seem in light grey. </p> <p>4.0 Changes: 25 March 2014 (pre-release for SAT writing – not tested or released) Mainly more configurable calibration and alpha blending improvements: Calibration - allow user to configure cameras in different positions with 2,3,4,5, or 6 cameras. Alpha blending: Now uses a different algorithm to make the blends that will prevent the abnormalities of the previous method. Also fixed plateau, optional blend ends rounding. If a legacy alpha blend design is loaded then the user is prompted to upgrade and review the new blends.</p> <p>ASL0644-CR4289 CSH: Calibration/Install License should be able to change the IP address ASL0644-CR4099 CSH: Calibration fails if no design present ASL0644-CR4373 CSH: Minor refinements to CSH user interface</p>
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Non-calibration changes:

ASL0644-CR3839 CSH: Disable another design download if there is one active already &
ASL0644-CR2797 CSH: Disable GUI when transferring design to ECU
ASL0644-CR3964 CSH: Custom logo appears seriously degraded on disclaimer screen.
ASL0644-CR3518 CSH: window list: copy & paste windows
ASL0644-CR3652 CSH: Max Timer (wrong timer amount text)
ASL0644-CR4402 CSH: Allow camera tint when offline and not working offline
ASL0644-CR4319 CSH: Absolute path ref in csd file for bitmaps files are on the network
ASL0644-CR4281 CSH: Error msg is too cryptic: Virtual camera aspect ratio download error if
window long & thin
ASL0644-CR3844 CSH: key=value pairs does not handle '+'

ASL0644-CR2928 CSH: Blending feature - anomaly when 2 adjacent blends configured
ASL0644-CR4053 CSH: Method to quickly show all blends as alpha 50% (CTRL-B)
ASL0644-CR3810 CSH: Wrong message text "Error not enough custom disclaimer image
storage on ECU" - Error message used for normal images as well.
ASL0644-CR4054 CSH: Stencil vertex add delete
ASL0644-CR4050 CSH: Change the color of the selected stencil edge
ASL0644-CR4049 CSH: Remove status bar artifact when showing stencil position
ASL0644-CR4055 CSH: Remove nested menu for Load/Store ECU design

3.4 Changes 14 March 2014

ASL0644-CR4441 CSH: Clear any residual OpenGL errors, remove unused extensions, better
OpenGL error dialog.
Display the information dialog on ALL OpenGL errors.

3.3 Changes 13 March 2014

ASL0644-CR4441 CSH: Clear any residual OpenGL errors, remove unused extensions, better
OpenGL error dialog.

3.2 Changes: 12 November 2013

ASL0644-CR3043 CSH: After successful calibration, the offline handling is as per SRS
After Raven 131 SRS_CFG_CAL_009v1 - propose rewording after SAT fail.
After good calib, prompt user to save camera data. If not save user will not be allowed to
download camera data to ECU.

3.1 Changes: 6 November 2013

ASL0644-CR3027 CSH: Add a warning message box when closing the APP with an unsaved
design.
ASL0644-CR3043 CSH: After successful calibration, prompt user to download camera data to
ECU.

3.0 Changes: 26 September 2013

ASL0644-CR4013 CSH: Check ECU major version=3 also ignore minor version from ECU
CSH now only checks that the ECU is version 3

2.8 Changes: 14 August 2013

ASL0644-CR3553 CSH: More License Info needed from user.
1) Company
2) Contact Name
3) Email address
4) Telephone No.
5) Purchase Order No. / License Request Code
6) ASL360 software Supplier

2.7 Changes: 21 June 2013

ASL0644-CR3763 CSH: Allow a design with an un-licensed feature enabled to be loaded into
CSH but not downloaded to ECU. The features affected are Harmonisation, No ASL
disclaimer logo, Custom disclaimer. E.g. if harmonisation is not licensed and a design with
harmonisation=on is loaded then user will get a warning that harmonisation is not licensed and
the load will continue ok. If the user attempts to download the design then they will get an error
and the download will be aborted.
ASL0644-CR3779 CSH: Set the required ECU version to 2.4

Changes in 2.6

CR3745 CSH: Enable Image Harmonisation through config tool (new licence feature).

CR3746 CSH: Viewport error should show screen number and name

CR3453 CSH: Window list does not remember its previous size

CR3747 CSH: Allow the user to see the required ECU version (hover over the ECU version)

CR2573 CSH: No 'What' String in exe or install package

