

RotorSport UK Ltd Service Bulletin (Permit) Addendum

Title: Ivoprop motor controller software update		Addendum release date 3rd Feb 2019
SB-131 Iss1 Addendum	Related documents Modification: MC-388 CCAR No.: CCAR-064, 66, 70	Compliance Category: OPTIONAL ^{or} RECOMMENDED or MANDATORY
Applicability		
Aircraft type & model: Any RotorSport AutoGyro gyroplane fitted with an Ivoprop propeller.	Aircraft serial Nos. affected: Any RotorSport AutoGyro gyroplane fitted with an Ivoprop propeller.	
The maintenance manual to be referenced is this stated or subsequent issue.		MT-03 RSUK0012 Iss 10 MTOsport RSUK0044 Iss 9 Calidus RSUK0061 Iss 7 Cavalon RSUK0288 Iss 5
<p>This form is the response from RotorSport UK Ltd either against a problem found in the product in service requiring a containment or rectification action, or as service information for aircraft modification incorporation. For help, contact RotorSport on 44(0)1588 505060, or email compliance@rotorsport.org.</p> <p>The technical content of this document is approved under the authority of the UK CAA Design Organisation Approval Ref: DAI/9917/06</p>		

Documentation (Service Bulletin Completion action)

Reference SB-131

Document approval signatures

Head of Engineering

This addendum is issued to clarify the process to reflash the controller software. It is to be applied in conjunction with the released and approved SB-131 only.

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Manpower estimates

Accomplishment of this Service Bulletin requires the following personnel

- (i) A3-7 Authorised engineer

Estimated man-hours to complete the task as a stand-alone item are; 10- 30mins, depending where the controller is mounted

Tooling required

Laptop computer with USB port and MyAVR_Prog Tool software installed.

MyAVR USB stick (see <http://shop.myavr.com/index.php?sp=article.sp.php&artID=200006>)

Connection cable with female 6-pin termination block, normally provided with the USB stick. A longer cable may be purchased.

NOTE! The plastic termination block which fits to the control board may require some fettling to fit to the board, to account for the potting compound poured over the board during manufacture.

Weight and Balance Effects

No effect

Manuals affected

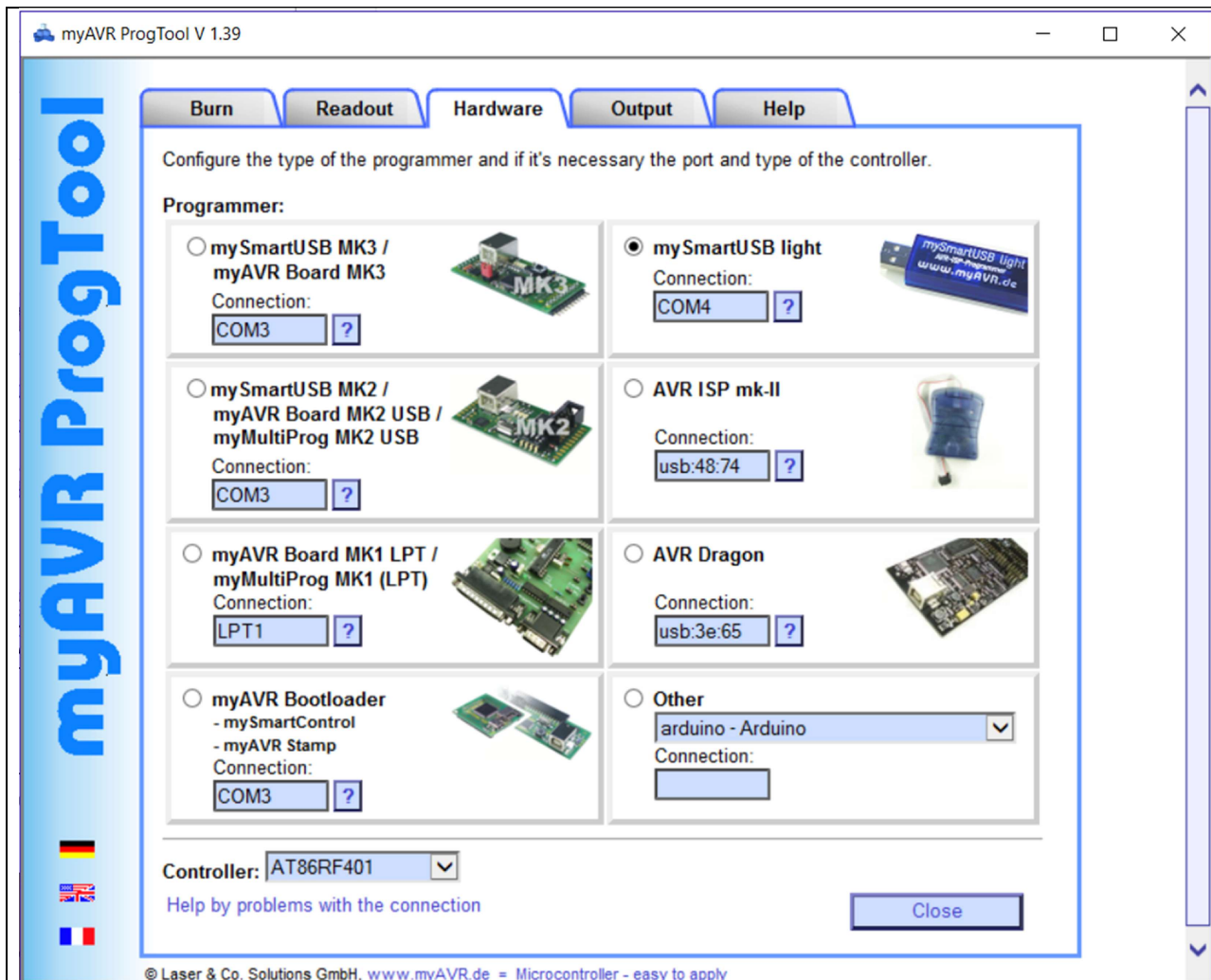
No effect

Previous Modifications that affect the SB

None

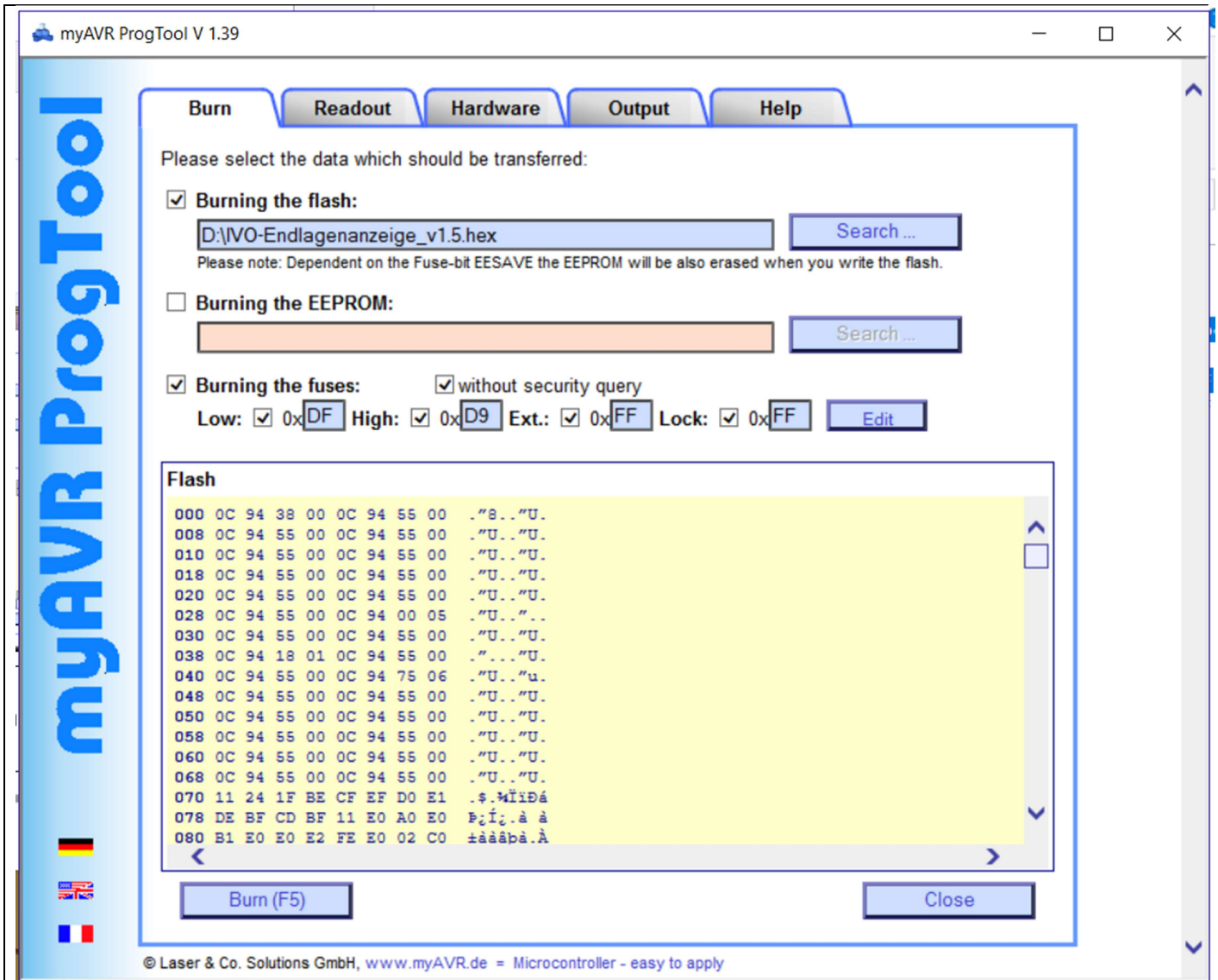
Accomplishment instructions (Action required to implement this bulletin):

1. Connect the MyAVR to the laptop USB port.
2. Connect the cable between the MyAVR and the connection port on the control board. Ensure there is a good connection to the board, the potting compound can cause the connection to sit poorly.
3. Start MyAVR_Prog Tool. Language options are located on the left lower area.
4. Under the 'Hardware' tab, choose 'mySmartUSB light'. Click the question mark to the right of the connection box to identify which port the device is attached, and select that connection.



5. Select the 'Burn' tab. Click 'Burning the flash' and search for and locate the update software file that you will have already stored on the laptop computer. Filename 'IVO-Endlagenanzeige_v1.5.hex'.

6. Tick the 'Burning the fuses' box. Enter the fuse values as shown in the picture.



NOTE! The fuses values and tick boxes MUST be as shown. Otherwise the update *will* fail.

7. Click 'Burn'. The burn process takes a couple of seconds. If the update is successful then 'OK' will be displayed. Remove the equipment. The update is complete.

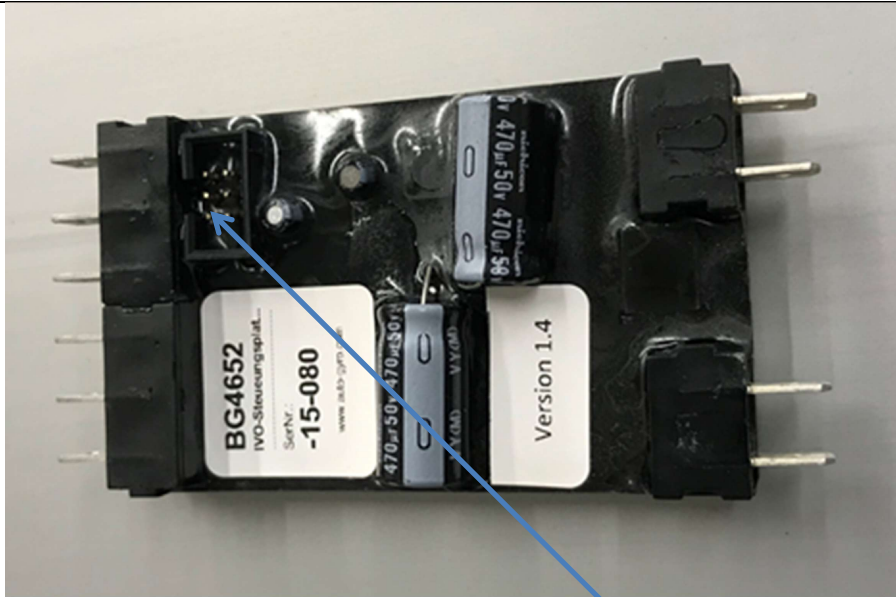


Photo of the Control Board. **Connector**

Material information (Parts required to be made to implement this service bulletin):

No parts made during embodiment

List of components (with purchasable part nos)

Software update file: IVO-Endlagenanzeige_v1.5.hex

Interchangeability

Not affected

Parts disposition

- a) Disposal requirements – None
- b) Environmental hazards of parts containing hazardous materials - None
- c) Scrap requirements (e.g. mutilate scrapped items beyond use) – Not applicable