

IntraCfg Software Release Note

v106

27-Apr-2011-05-05

27-Apr-2011

Updated to version 1.06. A new menu-entry RemoteCfg > SetRemoteLogLevel added. When set as eShort or eExtensive, a message is written to the message-log to report adjustments of hall-counts. If set to eSevere, it is reported only to the terminal.

v1.05

16-Nov-2010

16-Nov-2010

Date-string in main window updated and setup generated for **publication** on our web site.

This version 1.05 is compatible with the previous versions 1.04 or 1.03. The interface w.r.t. INTRA remained unchanged.

Exact values for gears 592, 66 and 14:1 entered.

All forms now remember their position when program is exited using the menu-entry File -> exit.

11-Nov-2010

IROM-form somewhat modified in the (vain?) attempt to make things more clear. tbits of the eeprom parameter expanded in a field of 32 checkboxes (*tbits is an undocumented feature. Someif the bits of this word allows to enable/disable a specific test output.*)

09-Nov-2010

ratio of gear 14:1 entered as 13.8:1 to better fit measurements. Default value of tcm set for new control algorithm - tcd, scm, scd all 1. They are no longer used for the new position control algorithm. tcm=15000 is ok for the gear 14:1. For other gears, suitable values must be found by experimenting a bit with this parameter.

29-Oct-2010

Changes for new gear 14:1 added.

01-Oct-2010

Version 1.05. Range-settings of the PA axis now allows for a range from -400° to +400° - which is needed when operating INTRA where the sun moves from -180 to even more negative numbers. Similarly, the range for the SA now may be set to operate from -5° to 185° - a requirement some users may have for scanning applications.

enum-value WAIT24 becomes NEARZERO

01-Sep-2010

Layout of "Positions and Modes"-Form beautified. Speedcontrol-constant edited (==> better suited defaults) Sun- and GetADC-forms now remember their position and size. Date in footer of main window changed, but version left untouched. There is no (significant) functional change.

V1.04

31-Aug-2010-08-31

IntraCfg is now capable to act as a simple terminal. It receives characters and transmits characters typed on the keyboard. Each character typed is sent immediately, but the display is updated only upon entry of a new line.

A few irritating rounding problems upon data entry in the EEPROM-view were fixed. In all other respect, the program is the same as version 1.03. Fully compatible with firmware V1.04.

V1.03

28-Apr-2010

This version must be used for firmware V1.04

Changelog as of last version

- 28-Apr-2010 Assigned new version 1.03 of today and prepared a new setup for distribution.
Version / Date updated as 1.03 of 28-Apr-2010
- 08-Apr-2010 Io and sunrange-EEProm-Defaults changed to the values as used in ifw
Bug in output of test data of sun sensor fixed.
- 13-Mar-2010 Misleading message upon Send-Click in IPROM changed.
The Read-Button (from Registry) was a NOP. Now it indeed reads data in from the
registry and updates the display accordingly.
Date displayed at the lower rim of the main window is now 13-Mar-2010.
- 12-Mar-2010 Format of axis offsets in IROM-mask changed from f8.2 to f8.3 because the .2 gave
rise to rounding peculiarities.

V1.02 **08-Mar-2010**

Field sun2rad added to IROM. This allows IntraCfg to handle trackers equipped with the new V2 or the previous, V1 type of sun sensors. When using V1.02 of IntraCfg you must update INTRAs firmware to ifw V1.03.

Check the software user manual SUM_IntraCfg_100.pdf to find out which value to use for sun2rad for version 1 or 2 sensors resp.

V1.01 **9-August-2009**

This new version presents a "save file" dialog upon startup. In other words: recording all data is now the default.

A few minor bugs – such as e. g. wrong labels – were also fixed.

V1.00 **6-July-2009**

Original version of the Intra Configuration Software.