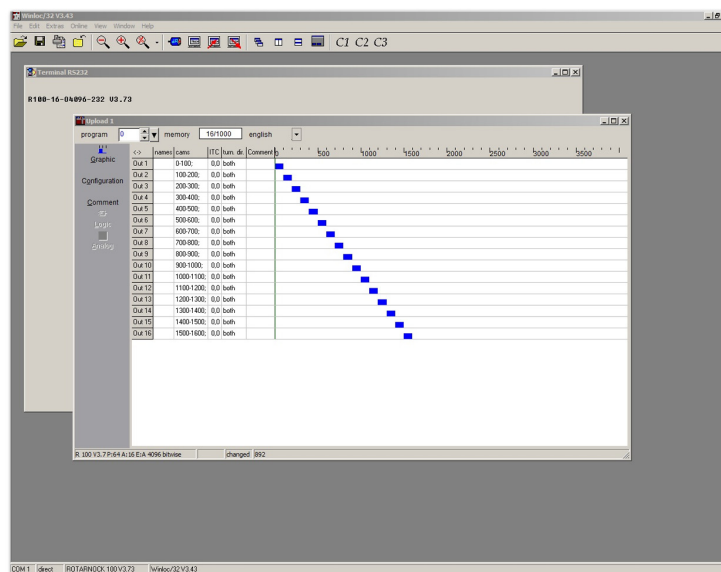




WINLOC32 Configuration & Programming



Manual Art.-No.: V3969E

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Disclaimer of liability

We have checked the contents of the document for conformity with the hardware and software described. Nevertheless, we are unable to preclude the possibility of deviations so that we are unable to assume warranty for full compliance. The information given in the publication is, however, reviewed regularly. Necessary amendments are incorporated in the following editions. We would be pleased to receive any improvement proposals which you may have.

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1 General Information

WINLOC32® provides a simple graphical user interface for configuration and programming of Deutschmann cam controls. There are 2 versions available.

- **Basic Version:** Free
- **Comfort version:** Licence key required (fee-based)
- The configuration and programming of Deutschmann cam controls can be carried out with the basic version of WINLOC32.
- The basic version of WINLOC32 can be extended to the comfort version with a licence key. (fee-based)
- You can download the basic version from our homepage www.deutschmann.com for free.
- **System requirements:** Windows XP, Windows 7 (32 and 64 Bit)
- This manual describes the functions of WINLOC32 (basic and comfort version).
- All images shown are from the English version of WINLOC32.

2 Connection between Cam Control and PC

There are 2 ways to build a connection between the Cam Control and PC (COM Port)

Note: A USB-RS232 converter **must** be used if there is no longer a COM port on the PC. Due to the variety of USB-RS232 converters on the market, we recommend to only use the from Deutschmann extensively tested **USB-RS232 converter (V3654)**, to avoid problems in communication and ensure error-free communication.

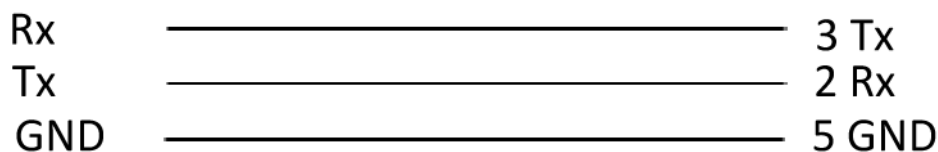
2.1 Option 1:

A connection via the **RS232** interface. **The GND must be connected!**

Cam Control RS232 Interface	PC COM-Port (9pol. D-Sub Connector)
Rx	COM-Port Pin 3 = Tx
Tx	COM-Port Pin 2 = Rx
GND	COM-Port Pin 5 = GND

Cam Control

**COM-Port
9 pol. D-Sub**



Note: Only 1 Cam Control can be connected and read out with this connection.

The pin assignment for the respective Cam Control can be taken from the relevant manual. All instruction manuals can be found on our homepage www.deutschmann.com. The manuals can be downloaded via „**Support**“ → Download Quick-Links → Electronic Cam Controls → „**Manu-als**“.

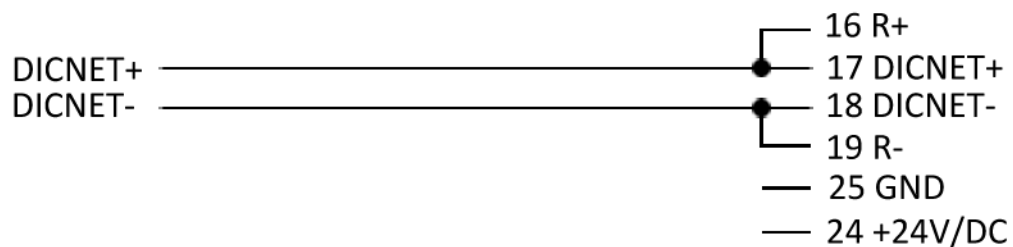
2.2 Option 2:

Connect via **RS485** (DICNET) interface. A DICNET adapter is needed. The DICNET adapter switches the data of the **RS485** (DICNET) interface to a serial **RS232** interface (COM-Port.)

Cam Control RS485 (DICNET) Interface	DICNET-Adapter (25pol. D-Sub Connector)
	DICNET-Adapter Pin 16 = R+
Tx / DICNET +	DICNET-Adapter Pin 17 = DICNET +
Rx / DICNET -	DICNET-Adapter Pin 18 = DICNET -
	DICNET-Adapter Pin 19 = R -
	DICNET-Adapter Pin 24 = +24V/DC
	DICNET-Adapter Pin 25 = GND

Cam Control

DICNET-Adapter 25 pol. D-Sub

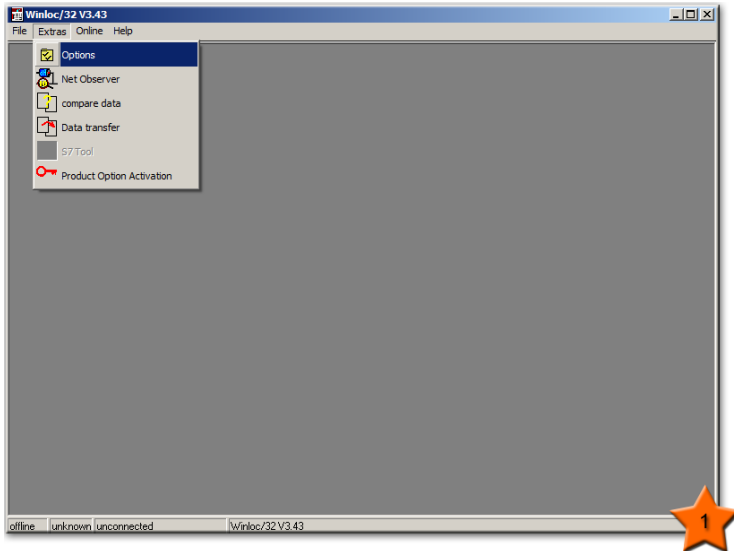


Note: It is possible to read out up to **16** Cam Controls that are connected via the „DICNET“ with the RS485 (DICNET).

The pin assignment for the respective Cam Control can be taken from the relevant manual. All instruction manuals can be found on our homepage www.deutschmann.com. The manuals can be downloaded via the menu item „**Support**“ → Download Quick-Links → Electronic Cam Controls → „**Manuals**“.

3 Default setting of WINLOC32

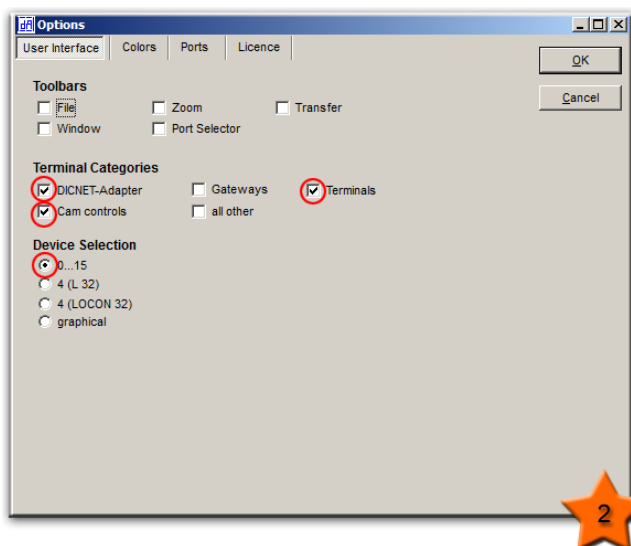
The default setting of WINLOC32 must be set via the menu point „**Extras**“ → „Options“.



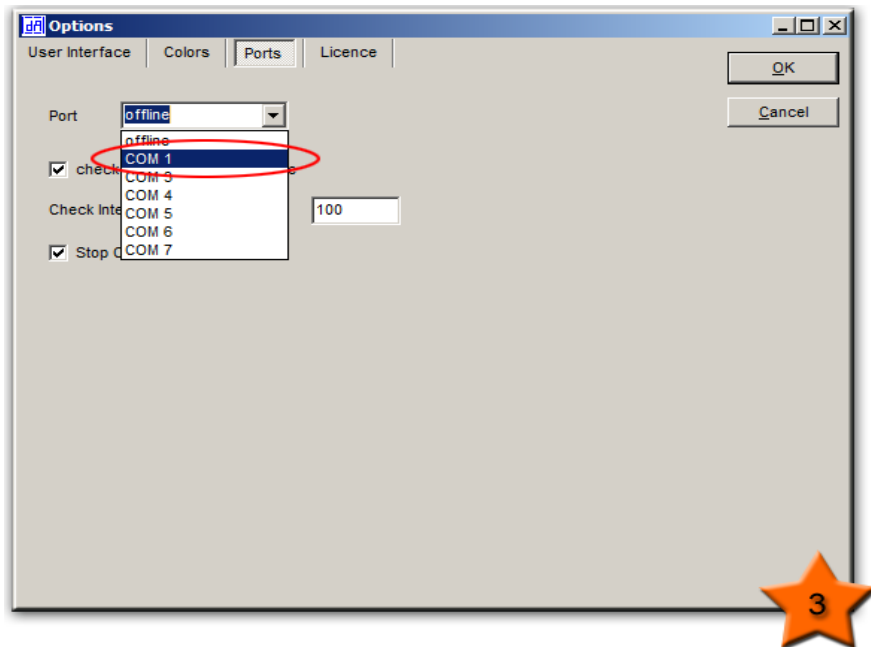
DICENT adapter, Cam Controls and Terminals can be selected via the menu point „**User Interface**“ → „**Terminal Categories**“. For „**Device Selection**“ 0...15 has to be selected.



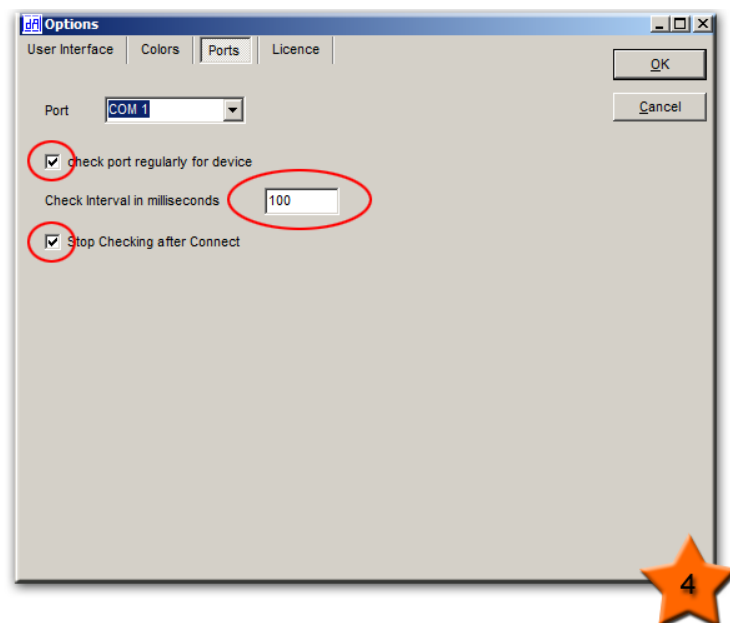
Attention: The toolbar is optional. You need a Licence-Key for the comfort version of WINLOC32 in order to unlock it.



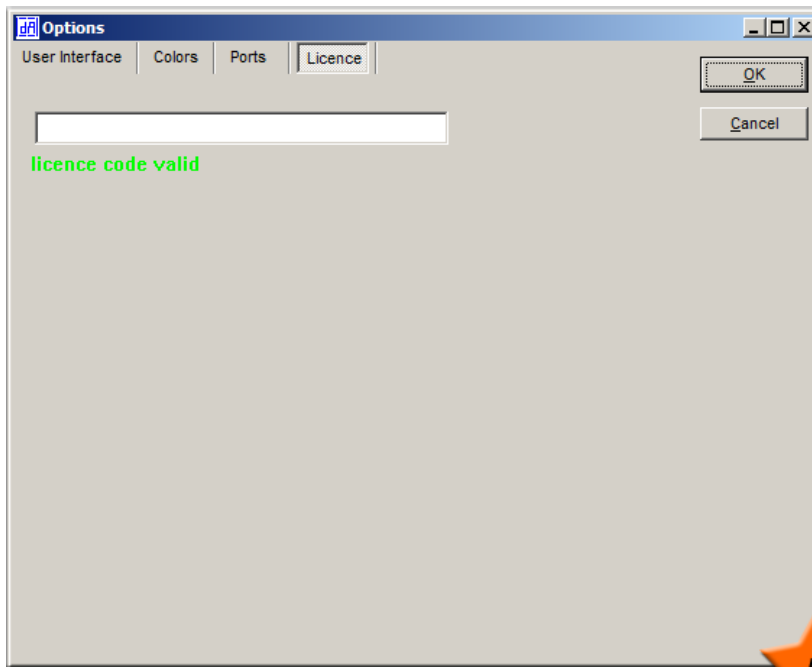
The corresponding COM-Port you want to work with needs to be selected via the menu point „Ports“.



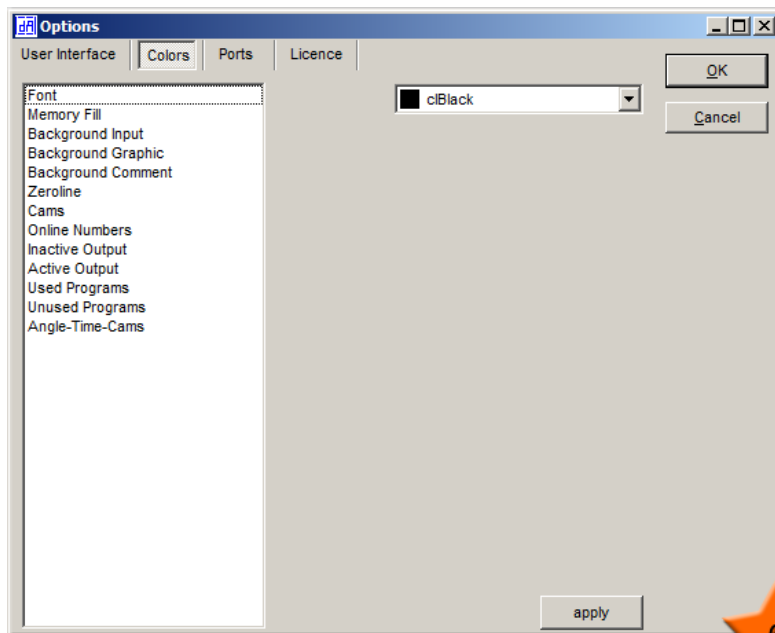
Attention: In addition, the parameters „Check port regularly for device“, „Check Intervall in milliseconds“ and „Stop checking after connect“ should also be selected. The time for the Check Intervall is here 100 ms. The time can be chosen freely.



You can enter the Licence-Key for the Comfort-Version via the menu point „Licence“. (see chapter 6 'Comfort version WINLOC32').)



Via the menu point „Colors“ the user can design the look of WINLOC32 freely.



4 Configuration and Programming with WINLOC32

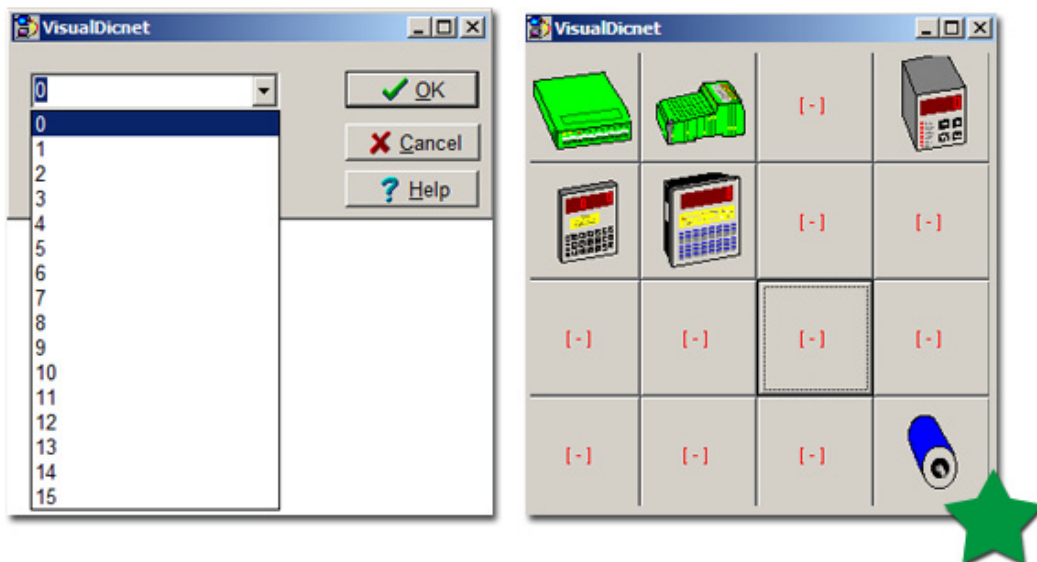
General note: This chapter describes the configuration and programming via the RS485 (DIC-NET) interface with the basic version of WINLOC32 in detail.

The configuration and programming via the RS232 interface is identical, besides the DICNET adapter, and the selection windows in which the Device ID has to be entered.



Attention: Functions that only affect the Comfort-Version of WINLOC32 are marked with a **green star**.

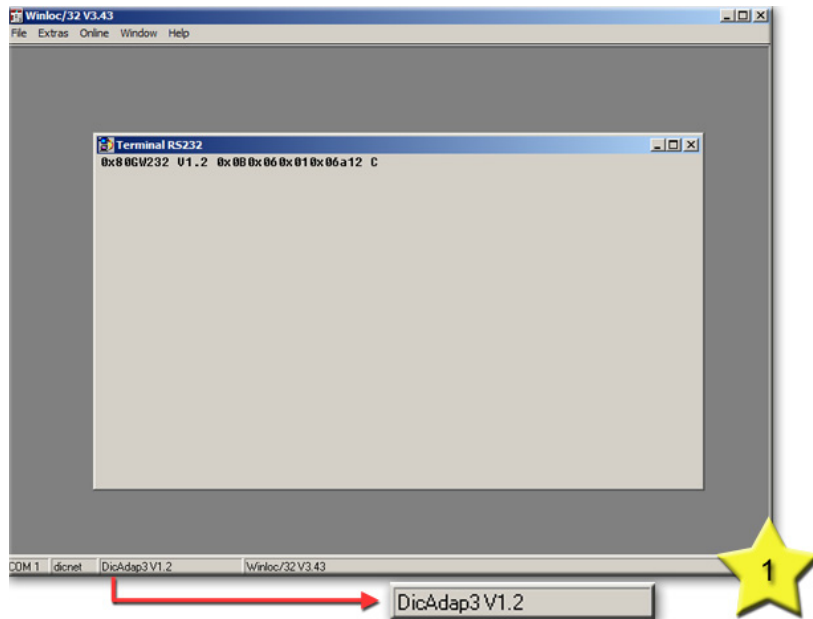
Selection windows of the basic- and the comfort version of WINLOC32 when reading out Cam Controls via RS485 (DICNET).



comfort version

4.1 Configuration and Programming via DICNET-Adapter

At first please check if there is a functioning connection between the DICNET adapter and WINLOC32. Therefor you have to connect the DICNET adapter with the PC and turn it on **with-**
out the cam control. „DicAdap3 V1.2“ or a similar message of the in use DICNET adapter has to appear in the status bar.

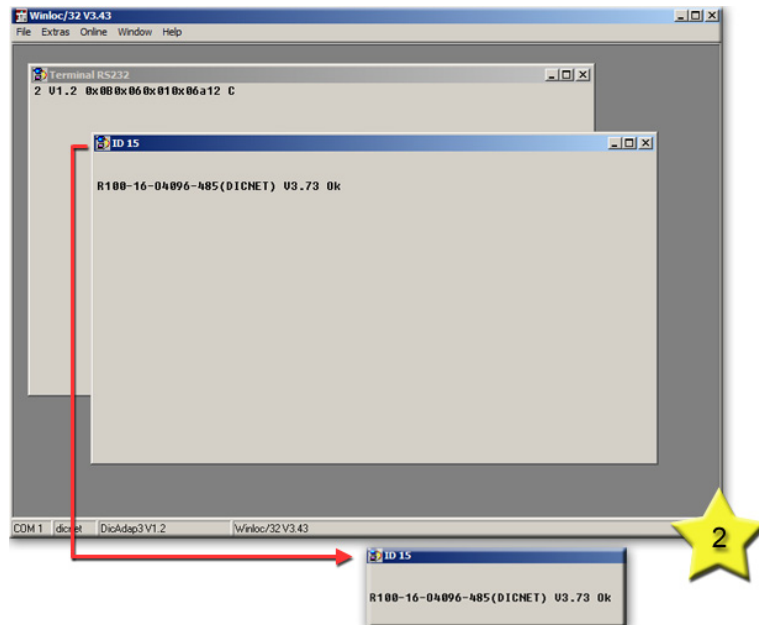


Attention: When connected via the RS232 interface (without DICNET adapter) the device type is displayed in the status bar.



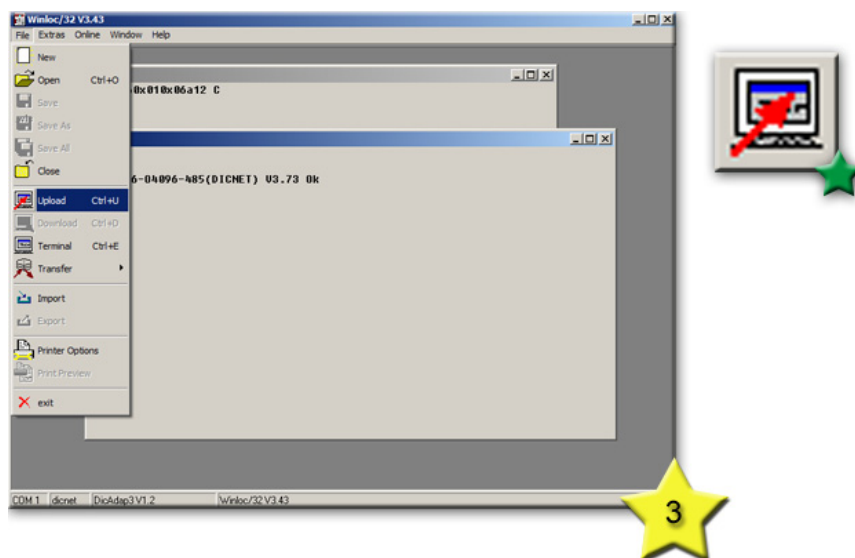
Afterwards start the DICNET adapter together with the cam control. A new windows will open up, it shows the device ID and the startup message of the cam control.

Note: If multiple cam controls are connected, a new window for each cam control will open up with device ID and startup message.



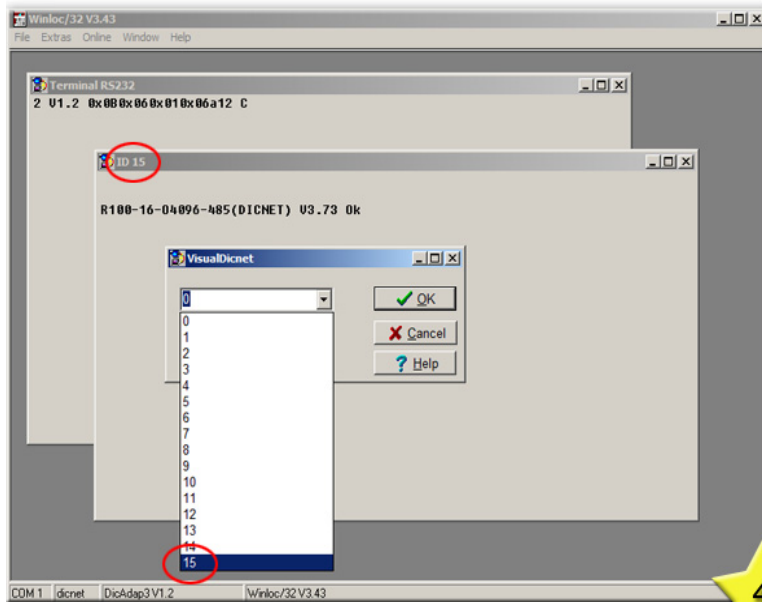
Uploads can be performed via the menu item „File“ → „Upload“ or the icon bar.

Note: If „Upload“ can't be selected just yet, please select the COM-interface again. Then an upload has to be possible.

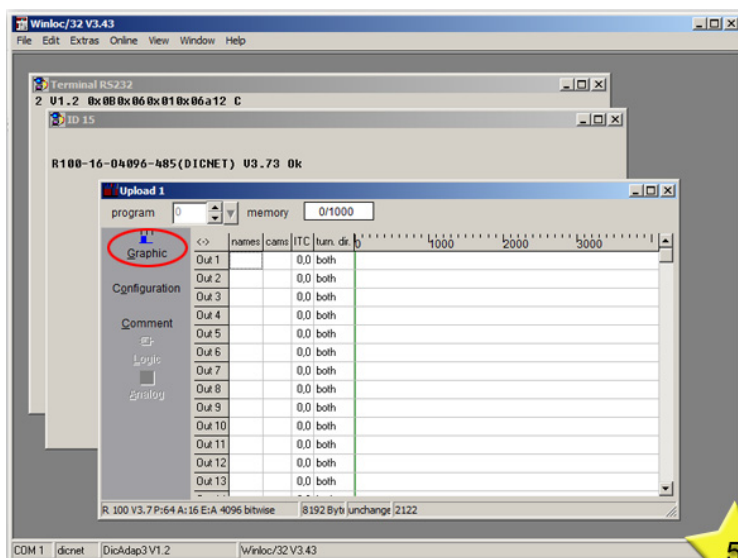


comfort version

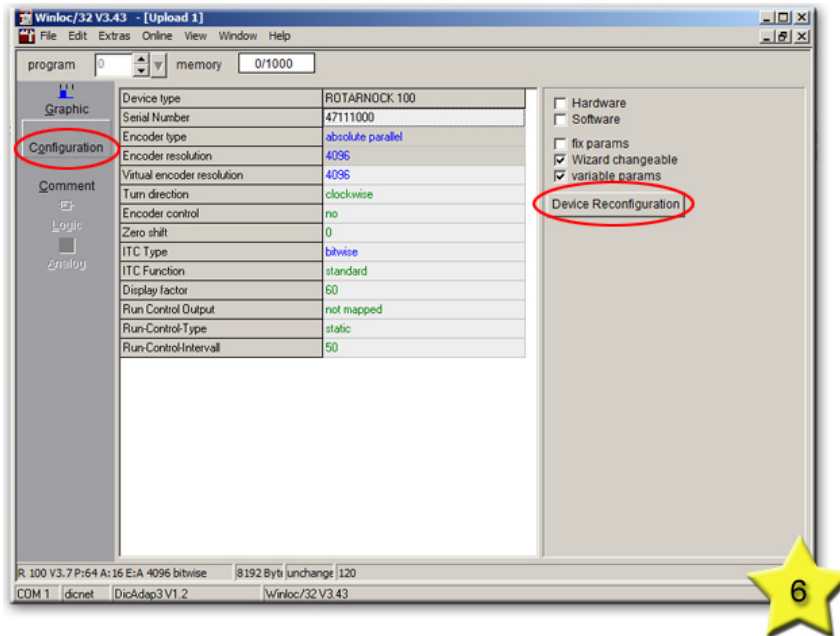
In the following window select the Device ID of the cam control by which you want to perform an update.



Subsequently you get the configuration file with all the information currently in the cam control.

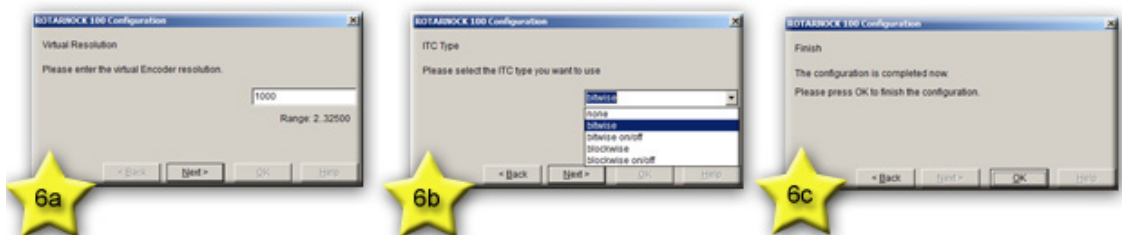


If you don't want to work with the standard configuration the device configuration has to be carried out before programming cams. Therefore you have to switch from „Graphic“ into „Configuration“.

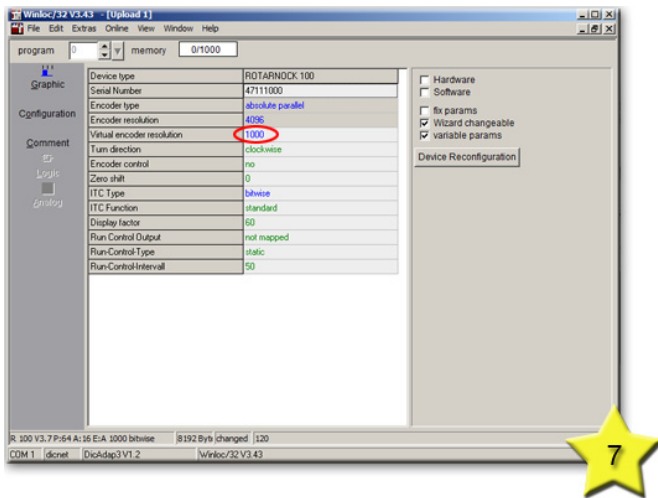


Via the button „Device Reconfiguration“ or via the menu point „Edit“ → „Device Reconfiguration“ it is possible to reconfigure some parameters, depending on the cam control.

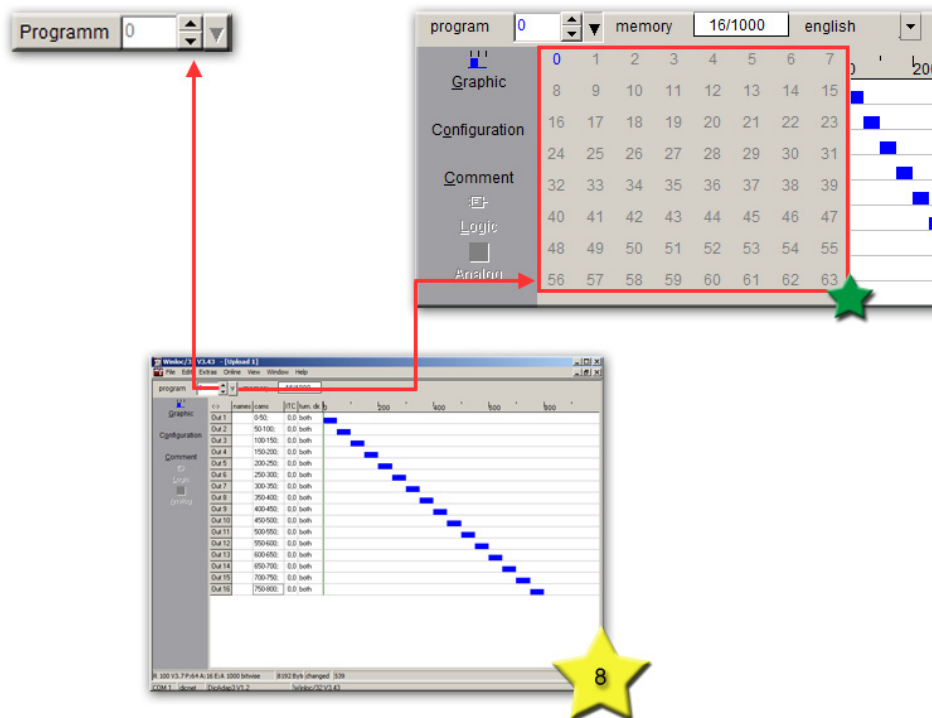
Below you find an example of a ROTARNOCK 100 in which the virtual resolution is reconfigured from 4096 to 1000.



Afterwards you can already see the changes in the „configuration“.



Now you can switch back from configuration to graphic to, among other things, program the cams. The label „Programm“ shows you the Program in which the current programming is taking place. You can select the different Programs with the arrow buttons.

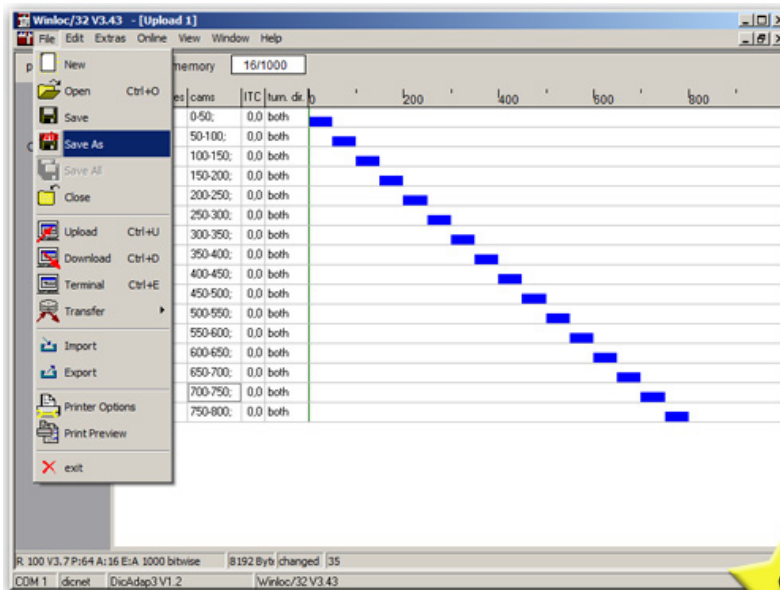


Note: Among other things, chapter 5 also describes the programming of the cams in more detail.



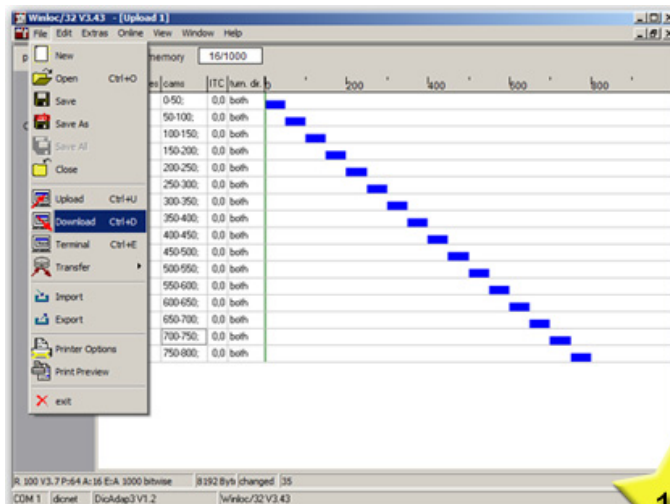
comfort version

After programming save the configuration file.



9

The configuration file can be loaded into the cam control via the menu point „File“ → „Download“ or the toolbar.

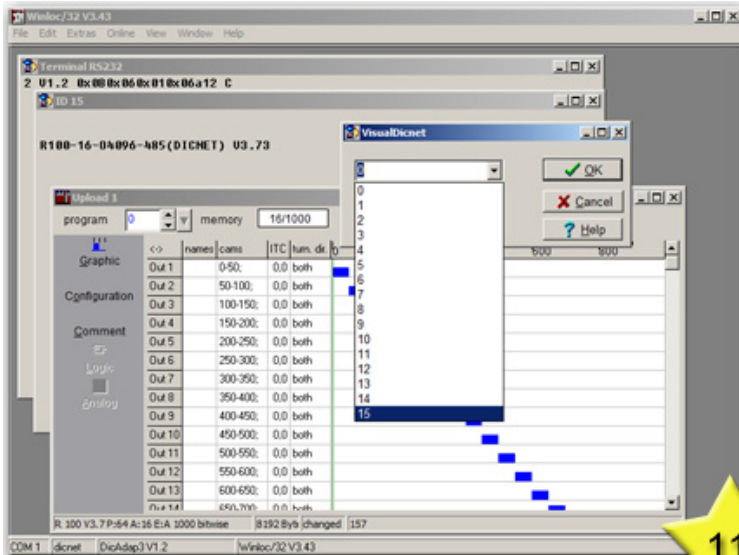


10



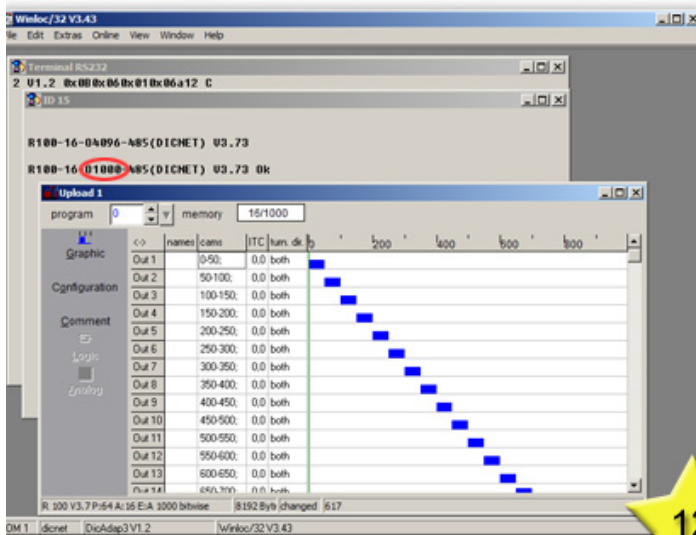
comfort version

In the next window you have to select the device ID of the cam control in which you want to load the configuration file.



11

If the download is finished the cam control automatically initiates a restart. The window of the device ID shows another startup message. As a result of the modified virtual resolution, the new resolution is now showing in the startup message.



12

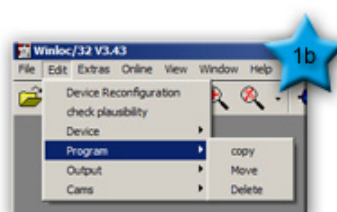
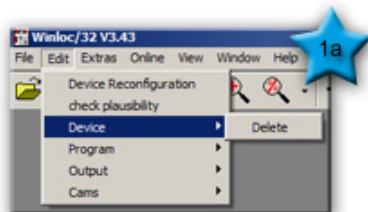
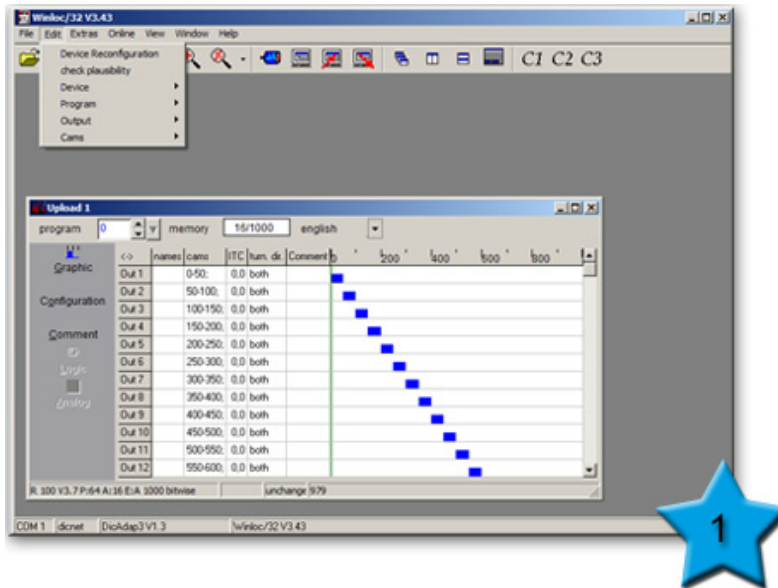
Finish!

5 Other functions

In this chapter we describe functions that can be used in the basic as well as the comfort version of WINLOC32.

5.1 Program and Configure via Edit

You can program a full cam via the menu item „Edit“

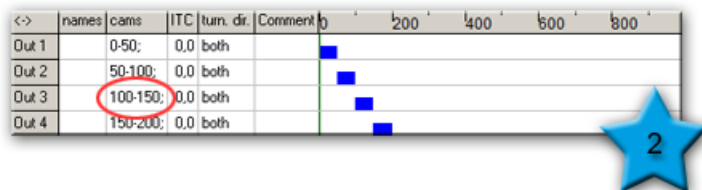


5.1.1 Programming of Cams

Each line represents an output of the cam control. You can select it with a click in the column „cams“ of the desired output row.

Syntax of Cams

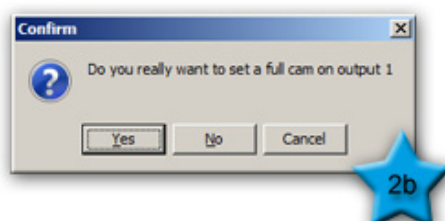
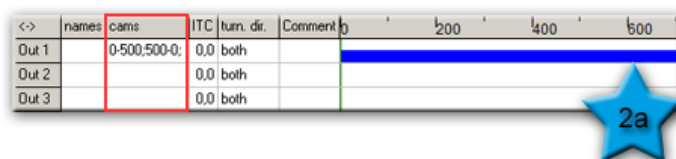
A cam is defined by a starting-point and a stop-point. These two values have to be entered delimited with a minus-hyphen. Multiple cams and their end point are delimited through a semicolon.



5.1.2 Full Cam

You can enter a full cam with entering „full“ into the column. After pressing the enter button the word „full“ is replaced with cams. The graphical view is immediately adjusted.

A full cam can also be generated via „**Edit**“ → Cams → Full Cam. In the following window (2b) the question „Do you really want to set a full cam...“ is prompted.



5.1.3 Direction Cams

Some devices have the options of direction-dependent outputs (Direction cams). These devices are divided in two classes.

1. Devices in which the direction of output change must be set for the entire device.
2. Devices in which the direction can be set for each output separately.

The information about the direction-dependency of the outputs generally relates to the outputs and not the program, which means a change in one program is valid for all programs.

When programming the direction of rotation you have to consider the following:

The values can be changed by double-clicking the left mouse button on the corresponding output in the column „turn. dir“. Successively all possible values are shown. In order to avoid mistakes a direct entry is impossible.

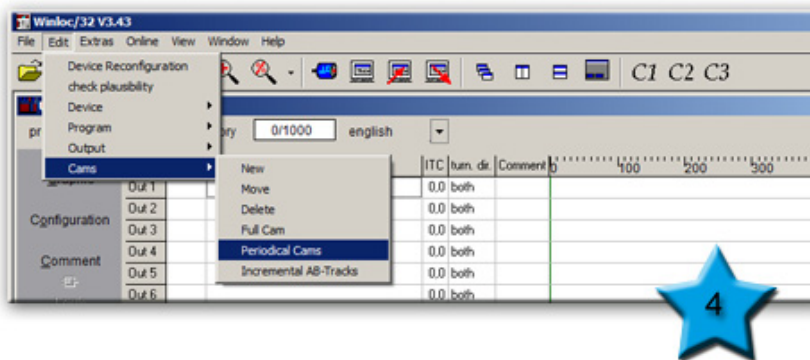
The column „turn. dir“ is only visible if the device supports this option.

<->	names	cams	ITC	turn. dir.	Comment	0	200	400	600
Out 1			0,0	positive					
Out 2			0,0	negative					
Out 3			0,0	both					



5.1.4 Periodical Cams

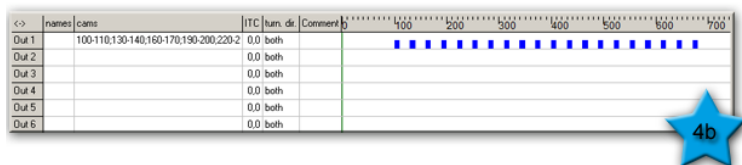
Periodical cams can be programmed via the menu point „Edit“ → „Cams“ → „Periodical Cams“.



In the following window (4a) the number of cams, starting position, period and the duration of the cams must be entered.

Example: 20 cams, starting position at 100 with a distance of 30 increments. The duration of each cam is 10 increments.

Then the periodical cams are displayed correctly.



5.1.5 Angle-Time-Cam

Angle-Time-Cams are defined through a starting-point and a stop-time.

WINLOC32 provides you with 3 input options:

In all versions a starting-point has to be selected first. Then the stop-time must be set. Either after the separation with # or embedded in <>, with or without a time unit. The time unit is always displayed in milliseconds (ms).

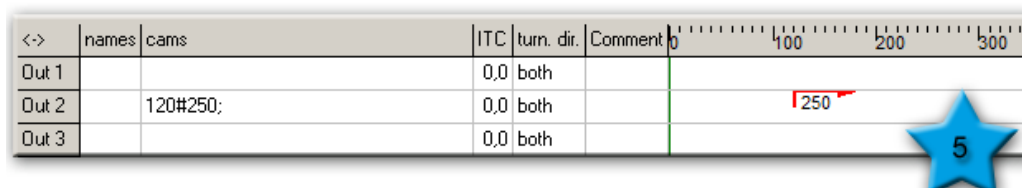
Example: On Off

120 # 250

120 < 250 >

120 < 250ms>

At the starting-point the graphical view shows the Angle-Time-Cam with an arrow in the positive direction. Beneath the arrow is the numerical value of the switch-off time.




5.1.6 Death-Time

Cam Controls who support a death-time-compensation have the column ITC in their graphic in which the death-time can be programmed. Valid values for a death-time-compensation are between 0 and 999,9 ms.

Blockwise Death-Time-Compensation

Devices with blockwise death-time-compensation can only program one complete output-block with a death time. **One output-block always consists of 8 outputs. (Outputs 1 till 8, 9 till 16,...).** The column has the name **ITC**.


<>	names	cams	ITC	turn. dir.	Comment	0	200	400	600
Out 1			999,0	both					
Out 2			999,0	both					
Out 3			999,0	both					
Out 4			999,0	both					
Out 5			999,0	both					
Out 6			999,0	both					
Out 7			999,0	both					
Out 8			999,0	both					
Out 9			0,0	both					
Out 10			0,0	both					
Out 11			0,0	both					
Out 12			0,0	both					
Out 13			0,0	both					
Out 14			0,0	both					
Out 15			0,0	both					
Out 16			0,0	both					



Bitwise Death-Time-Compensation

Devices with a bitwise death-time-compensation can program each output with an individual death time. The column is named ITC.

<>	names	cams	ITC	turn. dir.	Comment	0	200	400	600
Out 1			999,0	both					
Out 2			0,0	both					
Out 3			500,0	both					
Out 4			250,0	both					



Separate On- and Off-death-times

Devices with separate On- /Off-death-times have two columns. The columns are named „TZK on“ and „TZK off“. Here you also have the two variants blockwise- or bitwise death-time-compensation.

<->	names	cams	ITC on	ITC off	turn. dir.	Comment	0	500	1000	1500	2000	2500
Out 1			100,0	300,0	both							
Out 2			500,0	200,0	both							
Out 3			0,0	0,0	both							
Out 4			0,0	0,0	both							

6b

5.1.7 Name of outputs

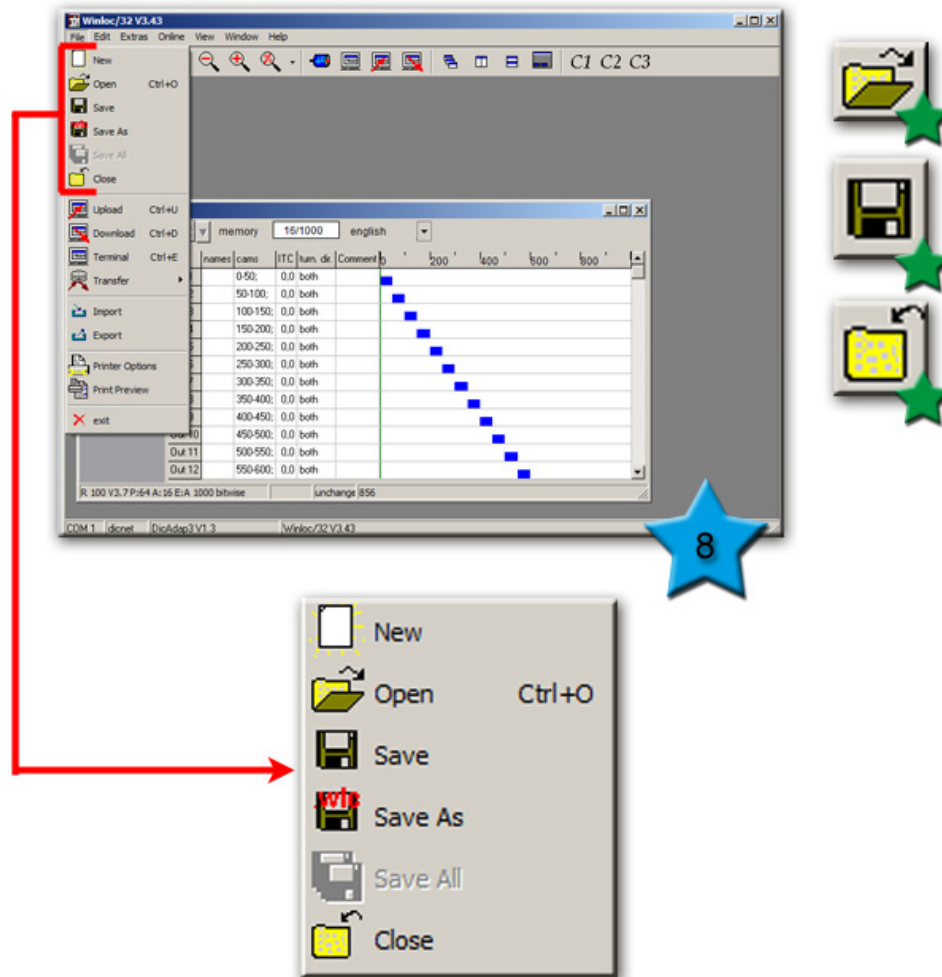
The column with the name „names“, which is displayed with every device (if supported), can assign a name to each output. The length of the name is depending on the device.

<->	names	cams	ITC	turn. dir.	Comment	0	100	200	300
Out 1			0,0	both					
Out 2	Deutschmann		0,0	both					
Out 3			0,0	both					

7

5.2 File (Open, Save, Close)

Via the menu point „**File**“, you can, among other things, open a configuration file, save it and close it. The listed points are also accessible via the toolbar.



★ comfort version

5.3 Print

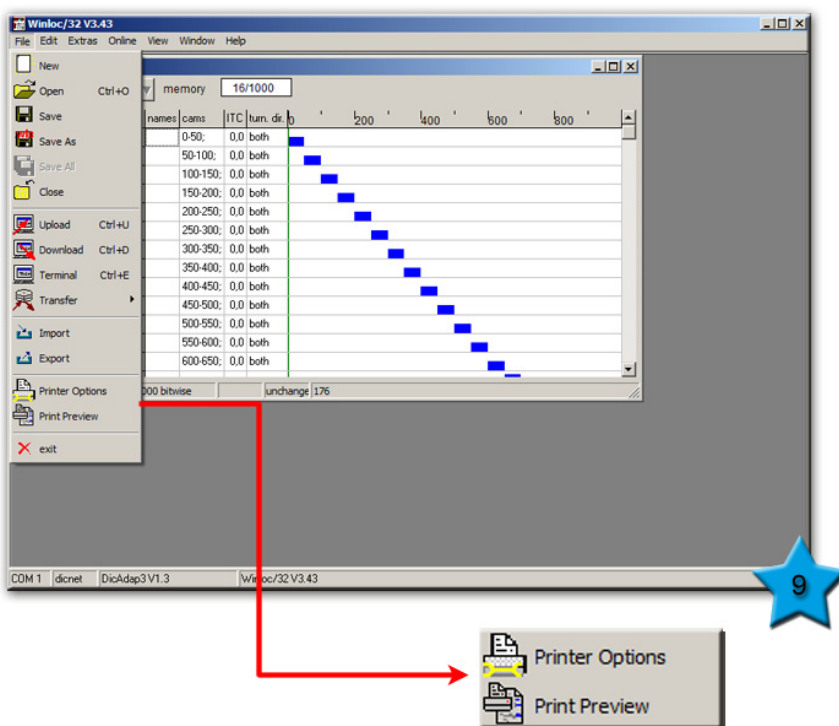
Printer settings can be set via menu point „File“ → „Printer Options“.

The print preview can be accessed via the menu point “File” → “Print Preview”.



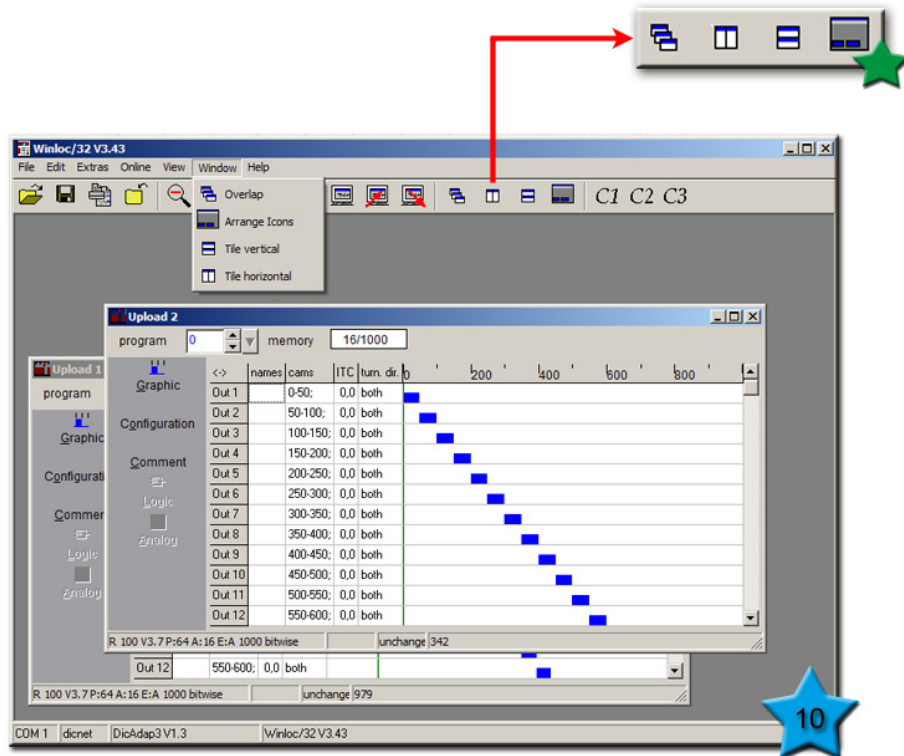
Attention: The number of pages to print cannot be set or modified. Depending on the total number of programs, all pages will be printed.

Tip: Print the document as a PDF file, open the PDF file and only print the pages needed.



5.4 Window

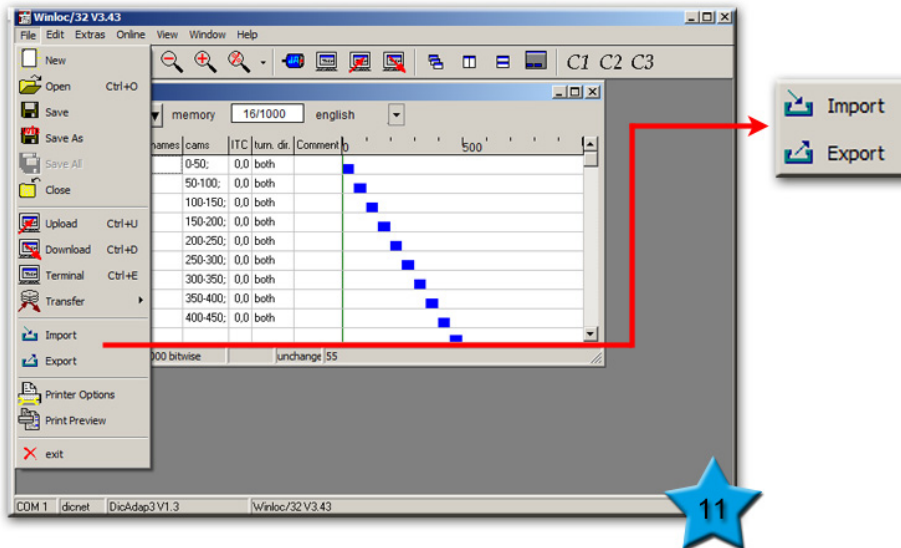
Via the menu point „**Window**“ or the toolbar you can rearrange the opened windows.



comfort version

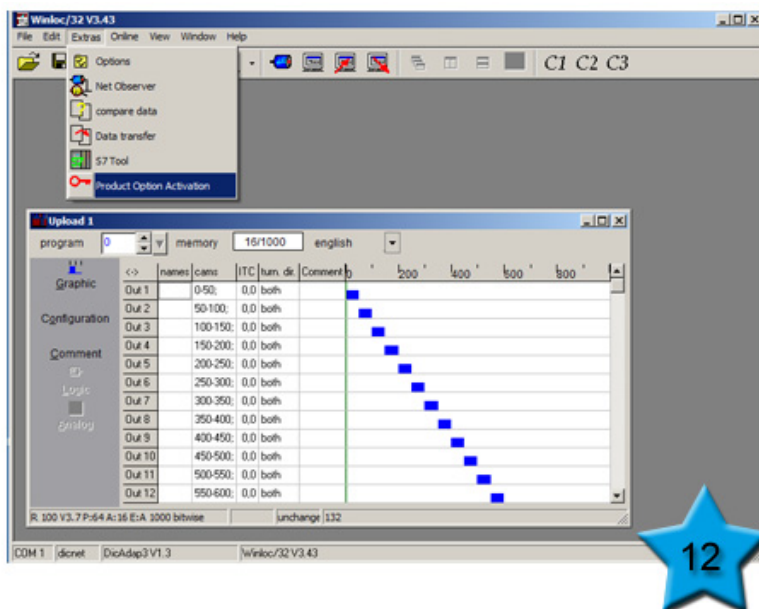
5.5 Import, Export

Via the menu point „Export“, a „CSV-file“ is created from the configuration file and can be opened and edited with the program Excel. With the menu point „Import“ you can load the modified „CSV file“ back into WINLOC32.



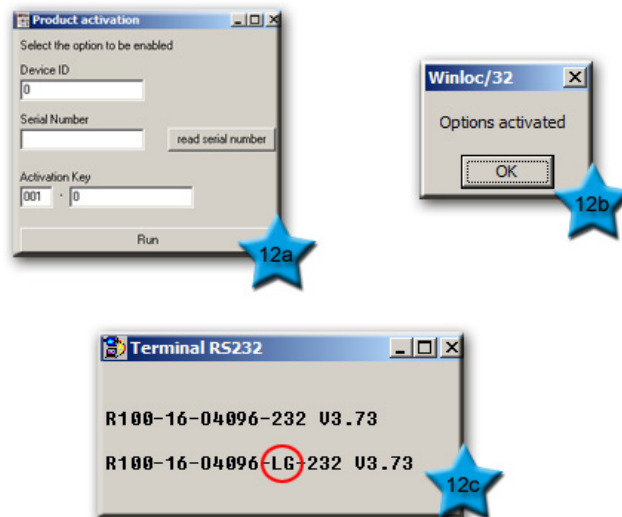
5.6 Logic

If you purchased a licence-key for the cam control you can activate the logic function for the respective cam control via „Extras“ → „Product Option Activation“.



In the following window (12a) the serial number of the cam control you want to activate the logic function for, can be read out via the button „**read serial number**“. Afterwards enter the licence key which is bound to the respective serial number and load it with the button „**Run**“. Now the logic function is activated. If the cam control is restarted the startup message also contains the addition „**LG**“ now.

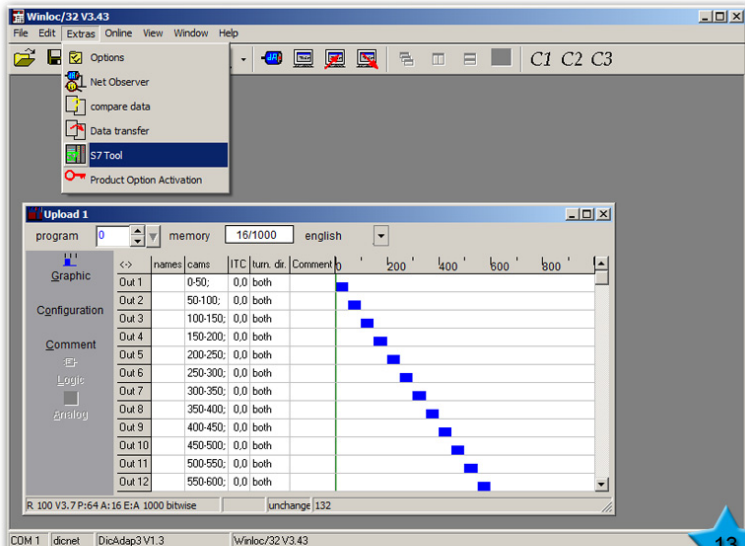
Note: With a connection by RS485 (DICNET) via DICNET adapter from the cam control to WINLOC32, the device ID of the affected devices has to be entered.



After a new upload of the cam control you can select the logic and program it. More information can be found in the manual „**Short description logic function**“. All manuals are on our homepage www.deutschmann.com. You can download all manuals via the menu point **Support** → Download Quick-Links Electronic Cam Controls „**Manuals**“.

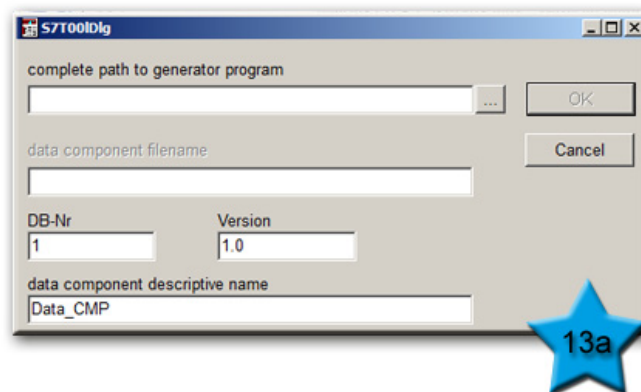
5.7 AWL-File

An AWL file can be generated from WINLOC32 with a Data Component Generator via „Extras“ → „S7 Tool“.



In the following window (13a) you have to select the „Data Component Generator“.

Note: There are 2 different ones. **Data Component Generator 1** (for ROTARNOCK 1, 2, 3 and 4) and **Data Component Generator 2** (for ROTARNOCK 80 and 100 as well as LOCON 100 and 200).

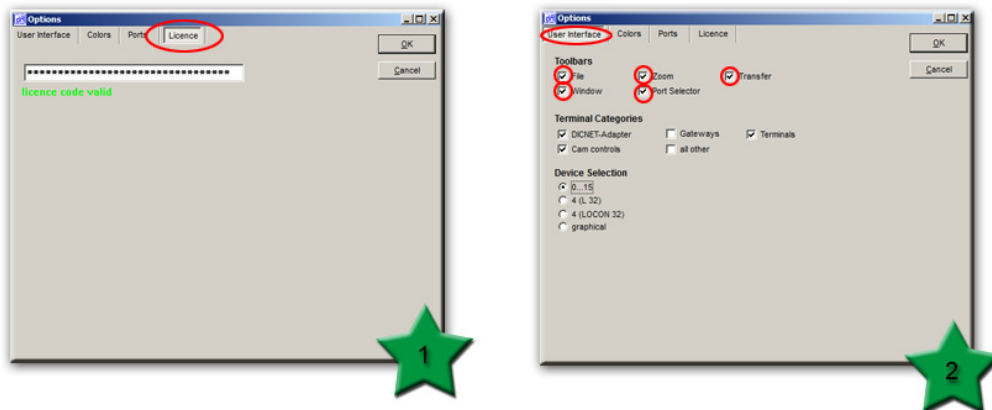


More information can be found in the manual „**Fieldbus connection with LOCON 100/200 and ROTARNOCK 80/100**“ (V326), Chapter 7 „**Data component-generator**“. All manuals are on our homepage www.deutschmann.com. You can download all manuals via the menu point **Support** → Download Quick-Links Electronic Cam Controls „**Manuals**“.

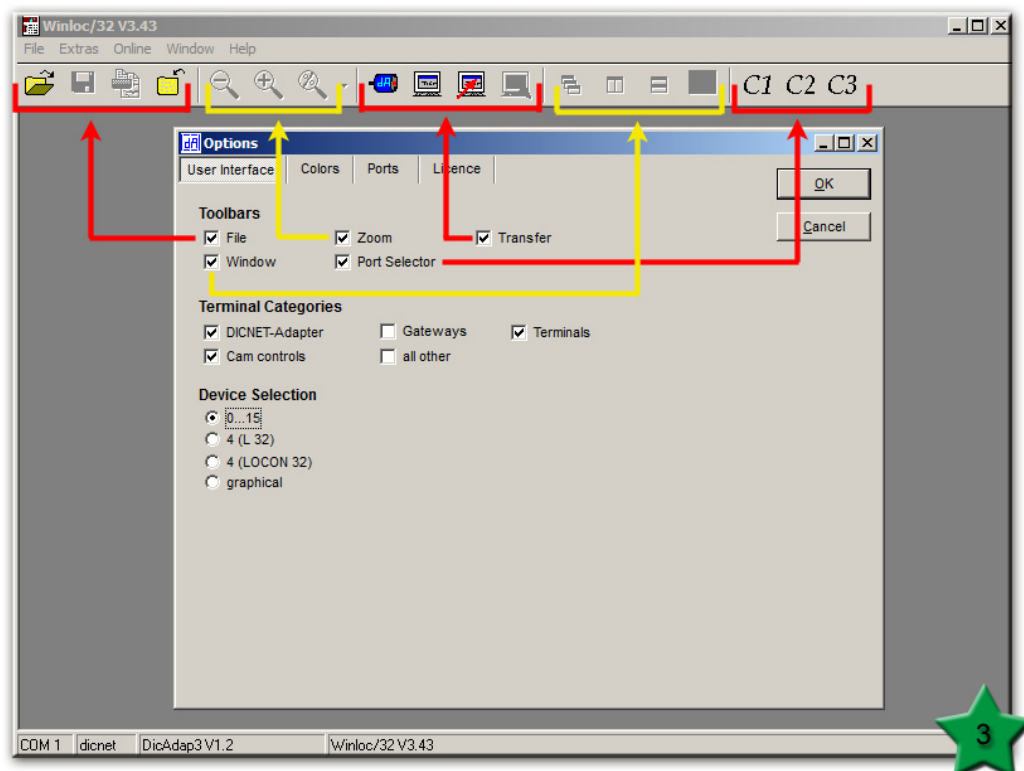
6 Comfort version WINLOC32

This chapter addresses the comfort options.

Enter the licence for the comfort version of WINLOC32 via the menu point **Extras** → „Options“ → „Licence“. Then you can select the toolbars via **Extras** → „Options“ → „User interface.“

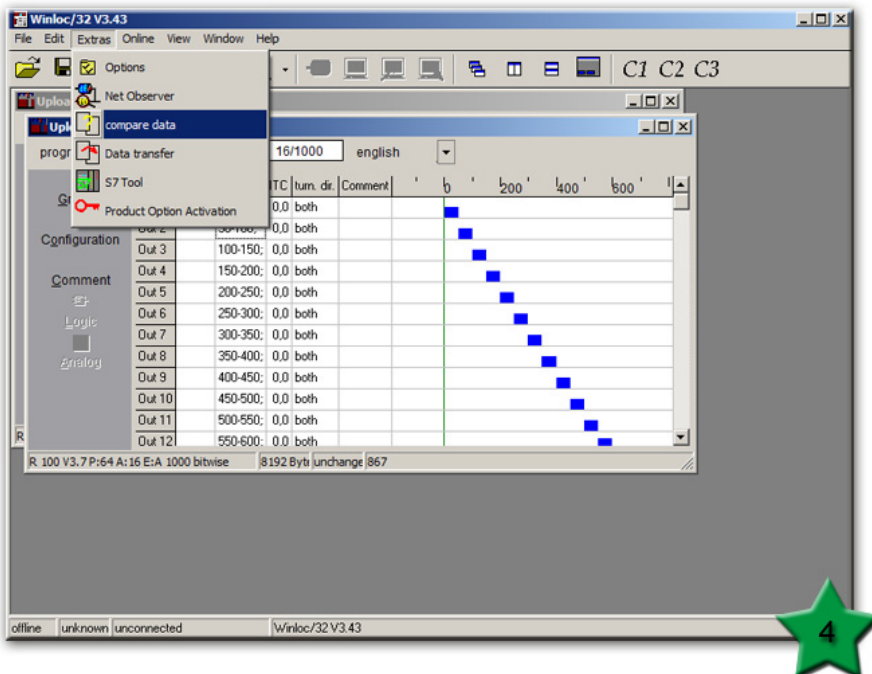


The menu bar is now extended with the toolbar.



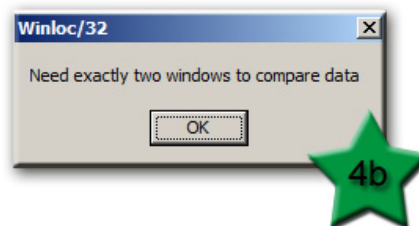
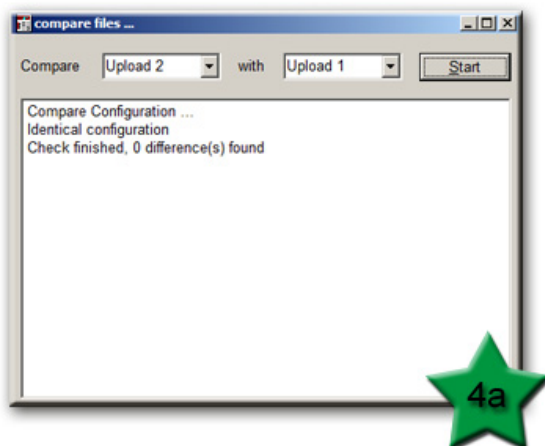
6.1 Compare data

You can compare 2 configuration files via the menu point „Extras“ → „compare data“.



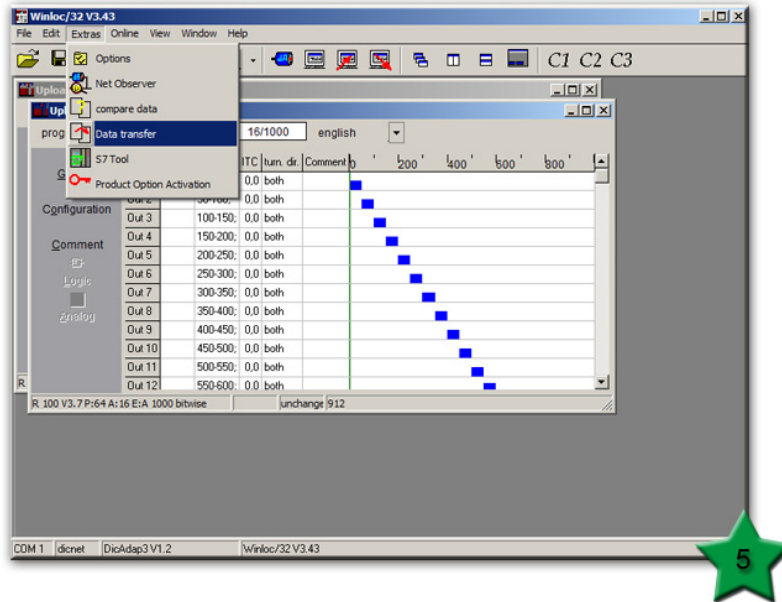
If 2 configuration files are open, you can select the configuration files in another window (4a) and compare them.

If less than 2 configuration files are opened, a windows pops up (4b) with the corresponding note.



6.2 Data transfer

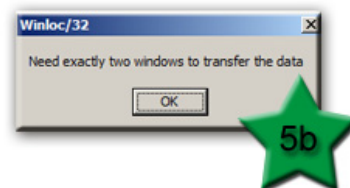
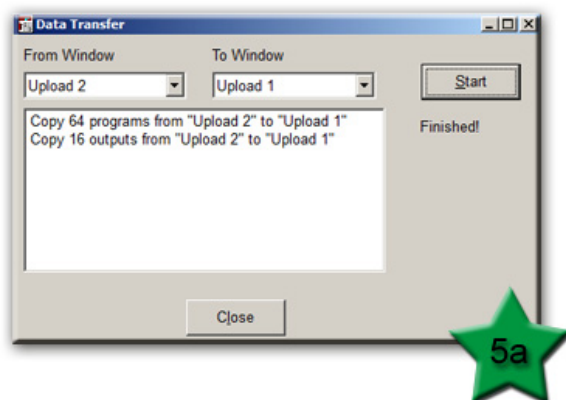
Via the menu point „Extras“ → „Data transfer“ you can transfer data from one configuration file to another.



If 2 configuration files are opened you can select from which configuration file you want to transfer the data. (5a)

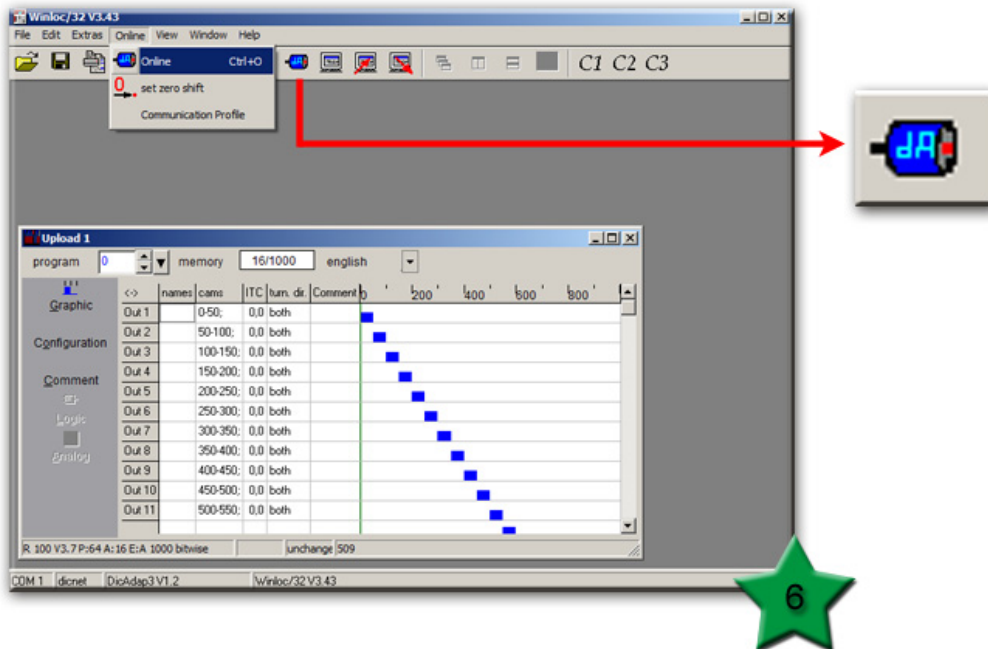
Note: The target configuration file has to be empty!

If less than 2 configuration files are opened, a windows pops up (5b) with the corresponding note.

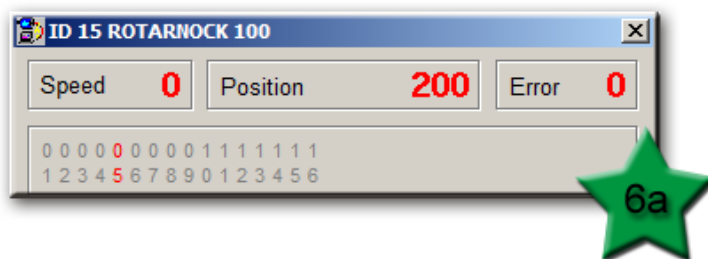


6.3 Online View

The Online view can be started via „Online“ → „Online“ or via the toolbar.

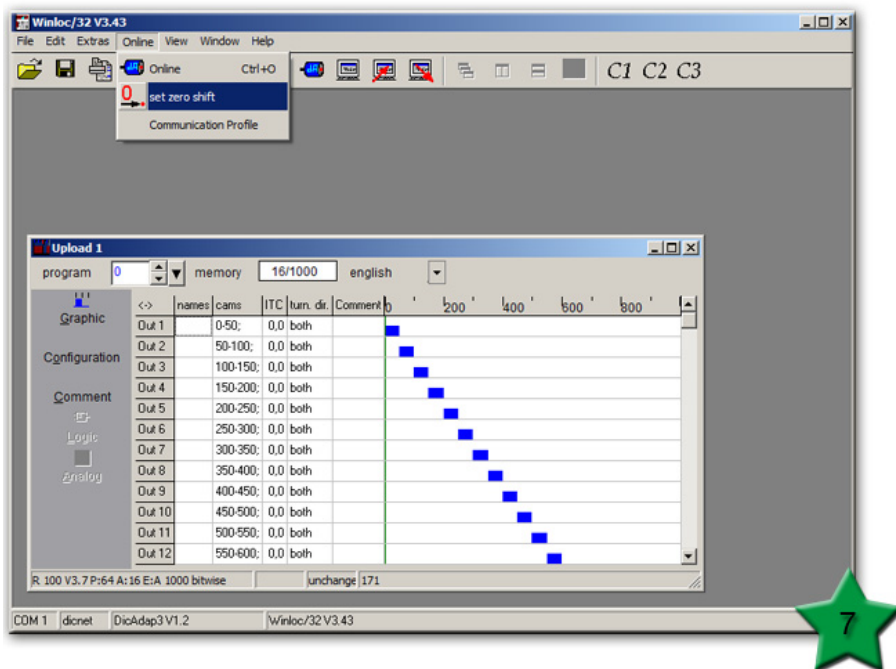


The online view shows the device ID of the cam controls, as well as the current position of the encoder, the current speed, cams and as the case may be error-numbers.

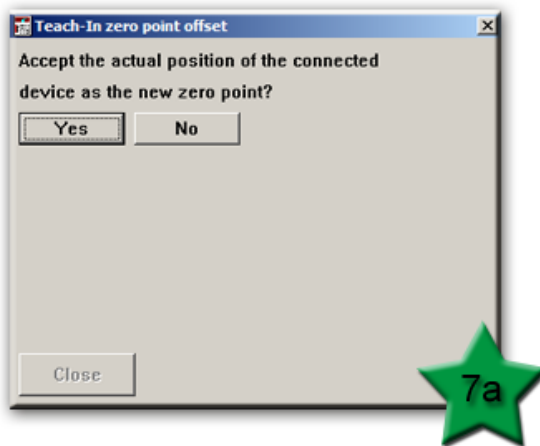


6.4 Zero Shift

You can carry out the zero shift via „Online“ → „set zero shift“.

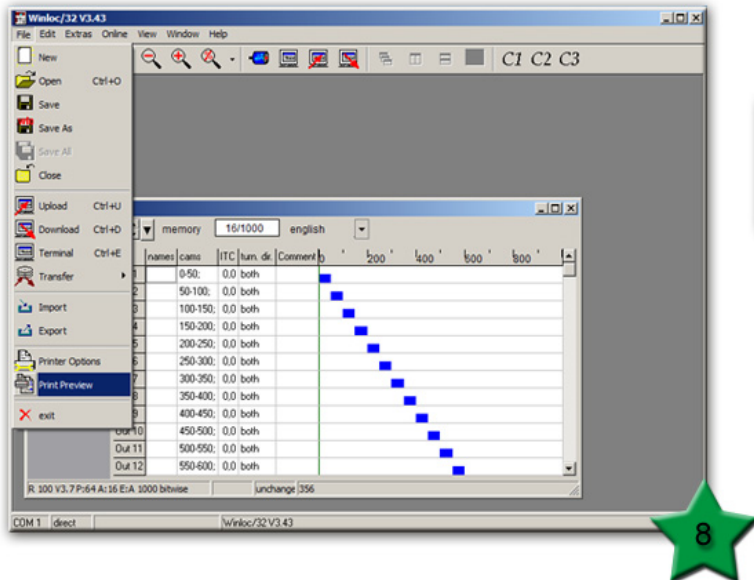


In the following window (7a) the zero shift is set.

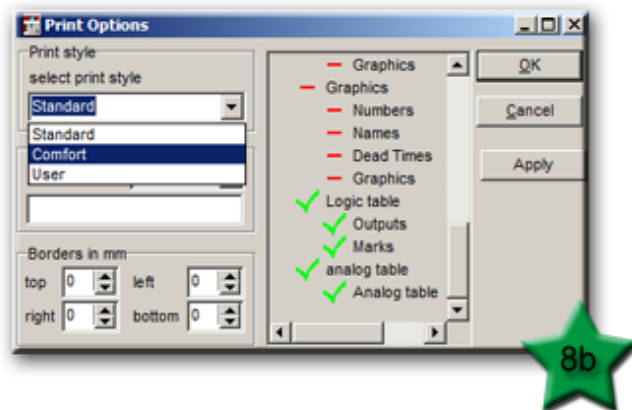
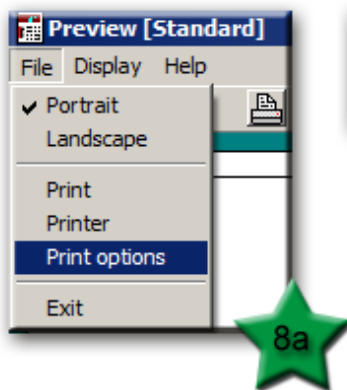


6.5 Print „Extended Print Options“

Via „File“ → „Print Preview“ or via the toolbar you get to the Preview of the document.



Various settings can be adjusted for the printing of the document via the menu point „File“ → „Print Options“ or via the local toolbar. (8b)



6.6 Further comfort functions via the toolbar

With this button of the toolbar you can select the COM1 interface.



With this button of the toolbar you can select the COM2 interface.



With this button of the toolbar you can select the COM3 interface.



With this button of the toolbar you can open the terminal window.



With this button of the toolbar you can start an upload.



With this button of the toolbar you can start a download.



With this button of the toolbar you can open the online view.



With this button of the toolbar you can open a configuration file.



With this button of the toolbar you can save a configuration file.



With this button of the toolbar you can close a configuration file.



With this button of the toolbar you can select the extended print options.



With this button of the toolbar you can zoom out the view of the graphic.



With this button of the toolbar you can zoom in the view of the graphic.



With this button of the toolbar you can choose a zoom factor manually.



With this button of the toolbar you can arrange the windows.



With this button of the toolbar you can arrange the windows next to each other.



With this button of the toolbar you can arrange the windows beneath each other.

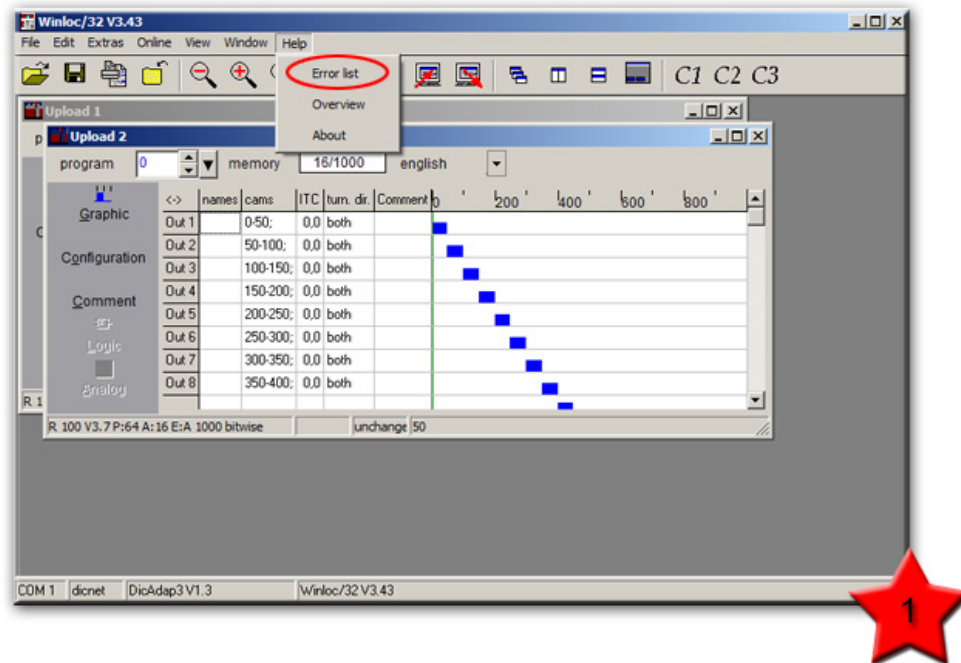


With this button of the toolbar you can view all open files, if you're not working in fullscreen mode.

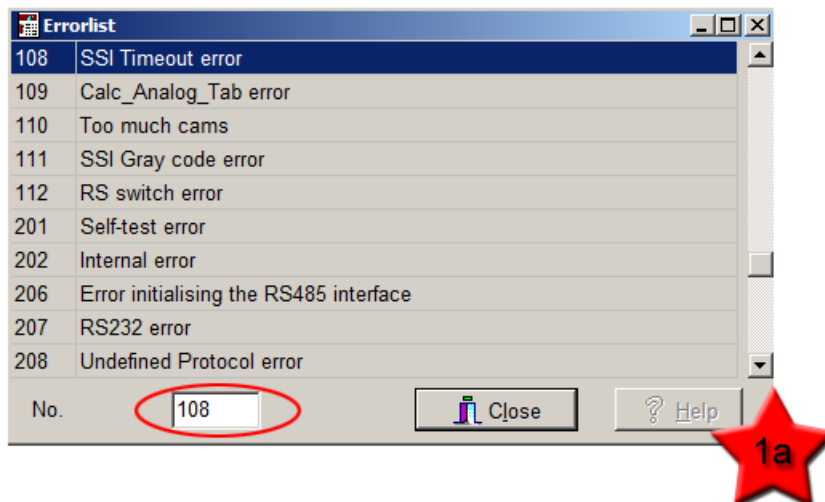


7 Error list

You can open the error list via the menu point „Help“ → „Error list“.

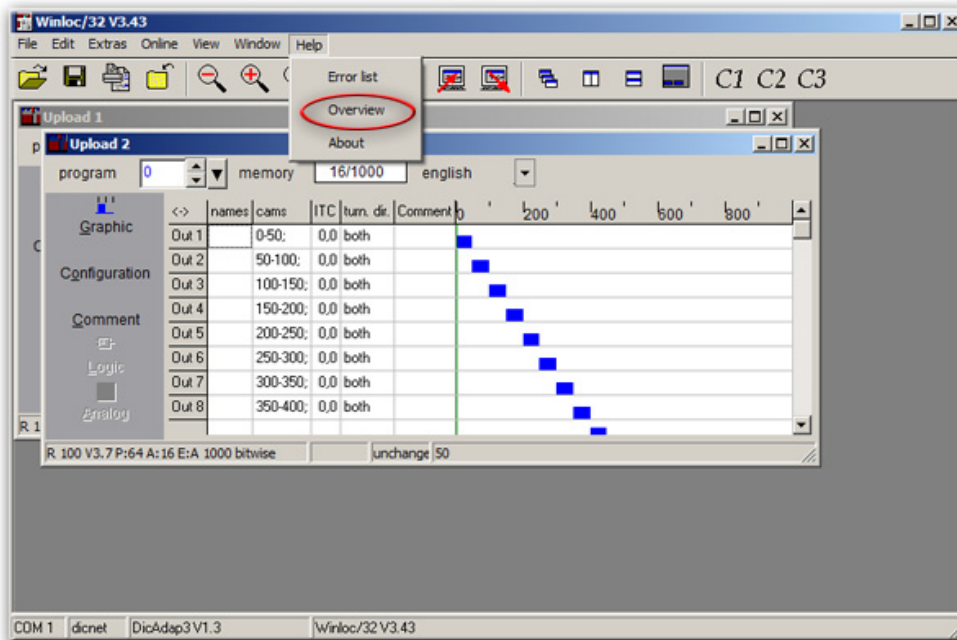


In the following window you can enter (1a) the error number and the error description will be displayed.



8 Help

Via “Help” → “Overview” the general description of WINLOC32 is opened.



9 Configuration Files

This chapter focuses on cam controls that can communicate with WINLOC32. There is also an example of a configuration file for each cam control.

9.1 ROTARNOCK 1 (PROFIBUS)

Parameter	Value
Device type	ROTARNOCK 1
Software revision	6.0
Number of data records	1936
Outputs	16
Turndir. sensitive outputs	no
Number of locked outputs	16
Encoder type	absolute parallel
Encoder resolution	1000
Count range	1000
Turn direction	clockwise
Zero shift	0
ITC Type	blockwise
Display factor	0
Save outputnames	yes
Run Control	no
Slow down Cam A	0
Slow down Cam B	0

Hardware ☒ Software ☒
 fix params ☒ Wizard changeable ☒ variable params ☒

R 1 V6.0 P: 16 A: 16 E: A 1000 blockwise changed

9.2 ROTARNOCK 2 (PROFIBUS)

Parameter	Value
Device type	ROTARNOCK 2
Software revision	6.0
Number of data records	1936
Outputs	16
Turndir. sensitive outputs	no
Number of locked outputs	16
Encoder type	absolute parallel
Encoder resolution	360
Count range	360
Turn direction	clockwise
Zero shift	0
ITC Type	bitwise
Display factor	6000
Save outputnames	yes
Run Control	no
Slow down Cam A	0
Slow down Cam B	0

Hardware ☒ Software ☒
 fix params ☒ Wizard changeable ☒ variable params ☒

R 2 V6.0 P: 16 A: 16 E: A 360 bitwise changed 7

9.3 ROTARNOCK 3

Device type	ROTARNOCK 3 light
Software revision	6.0
Number of data records	1936
Outputs	8
Encoder type	absolute parallel
Encoder resolution	360
Turn direction	clockwise
Zero shift	0
ITC Type	none
Slow down Cam A	0
Slow down Cam B	0

☒ Hardware
☒ Software
☒ fix params
☒ Wizard changeable
☒ variable params

R 3L V6.0 P:4 A:8 E:A 360 none changed

9.4 ROTARNOCK 4

Device type	ROTARNOCK 4
Software revision	5.6
V-Number	4711
Serial Number	4000
Number of data records	436
Outputs	64
Number of analogous outputs	0
Turn dir. sensitive outputs	yes
Number high dyn. DTC outputs	0
Outputs for angle time cams	0
Number of locked outputs	64
Number of logic inputs	0
Software Logic Inputs	0
Encoder type	absolute parallel
Encoder resolution	4096
Number of turns	1
Count range	4096
Virtual encoder resolution	4096
Turn direction	clockwise
Zero shift	0
ITC Type	bitwise
Display factor	60
PD-In-Mapping Byte 1	unused
PD-In-Mapping Byte 2	unused
PD-In-Mapping Byte 3	unused
PD-In-Mapping Byte 4	unused
PD-Out-Mapping Byte 1	unused
PD-Out-Mapping Byte 2	unused
PD-Out-Mapping Byte 3	unused
PD-Out-Mapping Byte 4	unused
Max increments per turn	1
Save outputnames	yes
Run Control	no

☒ Hardware
☒ Software
☒ fix params
☒ Wizard changeable
☒ variable params

R 4 V5.6 P:64 A:64 E:A (4096x 4096) 1 bitwise changed

9.5 ROTARNOCK 80 (PROFIBUS)

Upload 5

program 0 memory 0/1936 english

Device type	ROTARNOCK 80
Software revision	6.0
Number of data records	1936
Outputs	8
Turn dir. sensitive outputs	no
Number of locked outputs	8
Encoder type	absolute parallel
Encoder resolution	360
Count range	360
Turn direction	clockwise
Zero shift	0
ITC Type	bitwise
Display factor	6000
Save outputnames	yes
Run Control	no
Slow down Cam A	0
Slow down Cam B	0

☒ Hardware
☒ Software
☒ fix params
☒ Wizard changeable
☒ variable params

R 80 V6.0 P:64 A:8 E:A 360 bitwise changed 9

9.6 ROTARNOCK 100 (PROFIBUS)

Upload 1

program 0 memory 0/1000 english

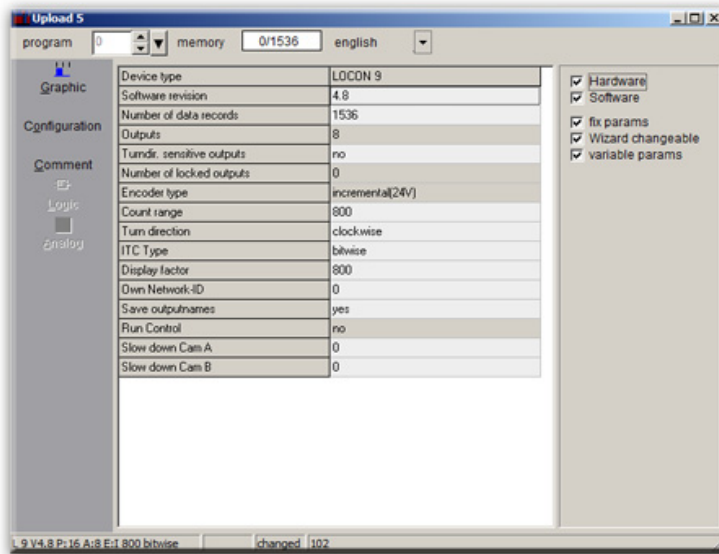
Device type	ROTARNOCK 100
Serial Number	47111000
EEROM Length	8192
Number of Programs	64
Number of data records	1000
Max I/O's	16
Outputs	16
Outputs for angle time cams	16
Number of logic inputs	0
Encoder type	absolute parallel
Encoder resolution	4096
Virtual encoder resolution	4096
Turn direction	clockwise
Encoder control	no
Zero shift	0
ITC Type	bitwise
ITC Function	standard
Timebase DTC (µs)	100 µs
Timebase angle-time-cams (µs)	1000
Display factor	60
Run Control Output	not mapped
Run-Control-Type	static
Run-Control-Intervall	50

☒ Hardware
☒ Software
☒ fix params
☒ Wizard changeable
☒ variable params

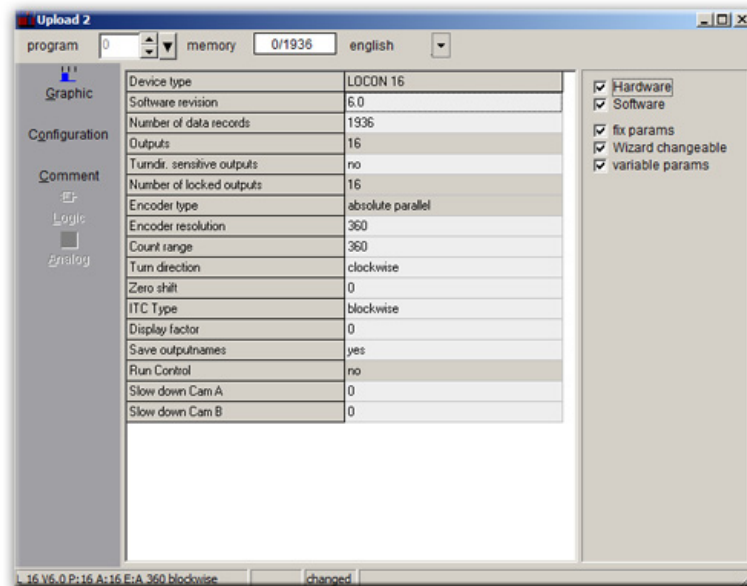
Device Reconfiguration

R 100 V3.7 P:64 A:16 E:A 4096 bitwise changed

9.7 LOCON 7 & 9



9.8 LOCON 16 & 17



9.9 LOCON 24 & 48 & 64

program 0 memory 0/1000 english

Graphic

Configuration

Comment

Logic

Analog

Device type	LOCON 24
Software revision	5.6
V-Number	4711
Serial Number	3000
Number of data records	936
Outputs	24
Number of analogous outputs	0
Turndir. sensitive outputs	no
Number high dyn. DTC outputs	0
Outputs for angle time cams	0
Number of locked outputs	24
Number of logic inputs	0
Encoder type	absolute parallel
Encoder resolution	360
Count range	360
Virtual encoder resolution	360
Turn direction	clockwise
Zero shift	0
ITC Type	bitwise
Display factor	60
Save outputnames	yes
Run Control	no

☒ Hardware
☒ Software
☒ fix params
☒ Wizard changeable
☒ variable params

L 24 V5.6 P:64 A:24 E:A 360 bitwise changed

9.10 LOCON 32

program 0 memory 0/896 english

Graphic

Configuration

Comment

Logic

Analog

Device type	LOCON 32
Software revision	3.1
Outputs	32
Number of locked outputs	32
Encoder type	absolute parallel
Encoder resolution	1000
Virtual encoder resolution	1000
Turn direction	clockwise
Zero shift	0
ITC Type	blockwise
Partial DTC start	0
Partial DTC stop	999
Display factor	60
Language	german
Own Network-ID	5
Analogous Endvalue	100

☐ Hardware
☒ Software
☒ fix params
☒ Wizard changeable
☒ variable params

L 32 V3.1 P:128 A:32 E:A 1000 blockwise 8192 Byt; unchange 50

9.11 LOCON 90 & 100 & 200

Upload 3

program 0 memory 0/1000 english

Graphic

Configuration

Comment

Logic

Analog

Device type	LOCON 100
Serial Number	47112000
EEROM Length	8192
Number of Programs	64
Number of data records	1000
Max I/O's	16
Outputs	16
Outputs for angle time cams	16
Number of logic inputs	16
Encoder type	SSI singleturn
Encoder resolution	4096
Virtual encoder resolution	4096
Turn direction	clockwise
Encoder control	no
Zero shift	0
ITC Type	bitwise
ITC Function	standard
Interface Operationmode	RS232
Timebase DTC (µs)	100 µs
Timebase angle-time-cams (µs)	1000
Display factor	60
Option-X	0
Output Enable	not mapped
Program Enable	not mapped
Program Start	not mapped
Program 1	not mapped
Program 2	not mapped
Program 4	not mapped
Program 8	not mapped
Program 16	not mapped
Program 32	not mapped
Run Control Output	not mapped
Run-Control-Type	static
Dyn. zero shift mapping	not mapped

☒ Hardware
☒ Software
☒ fix params
☒ Wizard changeable
☒ variable params

Device Reconfiguration

L 100 V3.7 P:64 A:16 E:S 4096 bitwise changed 470

10 Service

Should questions arise that are not covered in this manual you can find further information in our

- FAQ/Wiki area on our homepage www.deutschmann.com or directly in our Wiki on www.wiki.deutschmann.de
- the respective manual of the cam control in use.

If your questions are still unanswered, please contact your responsible sales partner (see Internet: www.deutschmann.com) or contact us directly.

Please note down the following information before calling:

- Device designation
- Serial number (S/N)
- Article number
- Error number and error description

You can reach us during hotline hours which are as follows:

Monday to Thursday from 8 am to midday and from 1 pm to 4 pm, Friday from 8 am to midday (CET).

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Fax sales department	+49 6434 9433-40
Fax technical hotline	+49 6434 9433-44

E-mail technical hotline	hotline@deutschmann.de
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