



Service Data Tool 2 for LINAK CO Control Box Platform, PJ2, Battery and CO-Link<sup>™</sup> system **User manual** 



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# Preface

Dear User,

We are delighted that you have chosen a product from LINAK®.

Your new CO Control Box Platform, hereafter named COXX, has a microprocessor inside making it possible to read out service data via the Service Data Tool. If it is connected to a battery, data can also be read out of the battery and the same goes for the external Port Junction box PJ2.

Finally, service data are also available for systems where two control boxes, type CO are connected – also called a CO-Link system.

In this manual you can read about how to use and get the full benefit of the service function in your COXX, battery, PJ2 and CO-Link system.

If no drivers are installed on your laptop, if you never have used service data tool on your laptop before, please contact your local sales representative to get access to the IB300001 user manual where this procedure is explained.

If you experience any problems with your new COXX, battery or PJ2 box, you are always welcome to contact your local LINAK representative who will be able to help you.

LINAK A/S

# Before getting started with reading out service data on a laptop

# Equipment needed to read out service data

When reading out service information on a laptop you need:

- Service data tool 2 version 2.7.9 or newer version installed on the laptop.
- The software will be provided from your local LINAK sales representative.
- An OpenBus<sup>™</sup> programming and data read out box (LINAK item number IB300001)
- A service readout cable (LINAK item number 0964198)
- Modular junction box for connection of service data tool (LINAK item number MJB000(3/4/5)000-1023)
- Cable for connection of the Modular junction box to COXX (LINAK item number 0964461-XXXX-A)
- One USB A-B cable

# How to connect the equipment and get started

A) First, make sure that service data tool drivers and the Service Data Tool 2 software (version 2.7.9 or higher) is installed on your laptop.

If Service data tool drivers and the Service Data Tool software are not installed, please see the SDT2 user manual.

Connect the equipment as shown below

# System example:

# Service Data tool COXX, Battery and 8 channels solution:



The version number on the product label will tell the PCP version If the version number is 1.xx or less, the battery is PCP 1.0 If the version number is 2.xx or more, the battery is PCP 2.0 When connection is observed the red LED ("Supply 8V Missing") in the current laptop window changes to green.

B) Wake the COXX (by pressing a button on the hand control or by pressing the foot switch).

C) Enter the Start menu 手 on your laptop and choose the LINAK programme to open the Service Data Tool 🛞 Linak SDT2

# **CO-Link system explanation**

When Service Data Tool is opened there will be access to the versions below. COXX, BA16/BA19 and BA21 are the primary views. Secondary views are only used for CO-Link systems.

# Example:



It is easy to identify the selected view by looking in the upper left corner – here it is the COXX primary view used for the CO-Link system.



	Symbol	Explanation
A CO61-Secondary Application SW NO. : 0.95101577 Framework: Type : 61 Version : 1.4 CO61-Secondary Application SW NO. : 0.95101577 Framework: Type : 61 Version : 1.4 CO-Link is used when two co with control of up to 8 move Look into the device informat the COXX primary or second The COXX primary and COXX and information available. O different control boxes – CO.		CO-Link is used when two control boxes e.g. COXX are connected in a system with control of up to 8 movements / actuators. Look into the device information to see if the service data are read out from the COXX primary or secondary. The COXX primary and COXX secondary views have exact the same layout and information available. Only difference is that data are read-out from two different control boxes – COXX.
В	CO61(change) Confi	Service data tool COXX primary shows service data for up to 4 actuators. Service data tool for COXX secondary shows service data for up to 4 actuators.
Connection info COM3 (v100.1.7.1) OpenbusOK		Service data tool can only be opened for the COXX primary OR the COXX secondary – one at the time.
	CO61-Secondary(change)	Choose between the two Service data tool versions
	Connection Info COM3 (v100.1.7.1) OpenbusOK	COXX (change) – Service data tool for COXX Primary COXX Secondary (change) – Service data tool for COXX Secondary
С	Status bar	Service data tool is either IDLE or reading data.
The message means that SDT is reading data – please wait		The message means that SDT is reading data – please wait
		Reading Extended openbus device 8 register20

# Reading out service data on a laptop

Ensure that the COXX or battery view is initiated by pressing the menu shown. Please contact your local LINAK Supplier for support if this is not the case.



	Symbol	Explanation		
A	SUMMARY	For quick and easy overview of actuators info and fatal error status. Please notice: A new actuator connected is only visible in the Service data tool view if it has been running in outward or inward direction $-A*S>0$ .		
В	1	For detailed information about the actuators' statistical service data.		
	6	For refreshing data from the control unit connected.		
	ACTUATORS	For update of information when replacing the actuator.		
C	CONTROLS	For detailed information about hand control signals and codes.		
D	REPORT	For service reporting, production number, software number, item number of the application. Saving complete and relevant information for actuators data and service.		
F		Intended for trained and authorised service technicians only		
	ADVANCED SETTINGS	For update of actuator info if the control is replaced to maintain service data.		
F		For detailed information about errors on the actuator, control box or the controls.		
	TROUBLE SHOOTING	Easy download of log file to send for further technical support		
G		Please notice! This section is only visible, if the control box software specifies actuators used on Port Junction box PJ2.		
	PJZ	For detailed information about Port Junction Box		
Н		<i>Please notice! This section is only visible when COXX is connected to LINAK Battery lithium Ion battery.</i>		
	BAI IERT	For information about battery life, charging state and use.		
J	Status bar	Status is either IDLE or Reading Extended OpenBus device 8 register 20 It means that SDT is reading data – please wait.		

Sections are updated every second to keep data updated. Please re-start SDT if the control box has powered down or disconnected. For further help and recommendations on each section, please press the help icon 🕐

Indicates that the connection is working 100%

Indicates something is missing or has an error. A small text right to the LED informs about the problem.





Connection to IB30 box OK

Control Box connected = 8V missing

Com Port Connection SDT IB30 version

OpenBus Ok/Fail

# Service Data Tool help manual for CO Control Box Platform Summary view

COXX - Linak Service Data Tool	2 - Wer, 2,7:10 build 0	- 0 ×
LINAK U		-
COXX(change) Configuration	Tech	
Oresent in           ● OPER SID           ■	LINAK Summary View v1.7 $\overrightarrow{D}$ A $\overrightarrow{D}$ $\overrightarrow$	
	LRMC a variable to any damage to accidents taxanel by mease of formice Date Tool	Company Logo
Set	nna Ditended sepenhus device 3 register 122	Ĭ

	Symbol	Explanation	
A	POWER On Mains	This symbol indicates that COXX is connected to mains power.	
	BATTERY B9%	This symbol indicates that COXX is operating on a Lithium Ion battery. Battery Status is indicated by % and colour:	
		Green: Battery fully charged (approx. 100-40% capacity remaining)	
		Yellow: Charging recommended (approx. 40-21% capacity remaining)	
		<b>Orange:</b> Low critical battery level. (Depending on the COXX SW there will be audio signal when the hand control is activated. Limited the actuator function).	
	EATTERY 89%	This symbol indicates that COXX is operating on a BA19 battery, Lead Acid. Regularly charging or charging before use is recommended as battery status indication is not available.	
		Green: Battery will remain green. Please notice! There is no low battery warning.	

	Symbol	Explanation		
В	O Duty cycle guard	If the LED is orange, it indicates that the COXX has stopped operating due to the duty cycle guard.		
С	Current fatal error	If the current fatal error LED is orange then you have fatal error and can use the troubleshooting section and button to for help.		
D	ACT 6 Selected or de-selected the actuators you want to monitor			
	ACT 6 Status	The actuator position is shown with numbers.		
	Status	The green arrow indicates that the actuator is working and shows which direction, which is also written.		
	Direction OUT	Status can be; Direction In, Direction Out, EOS in, EOS out or IDLE		
	ACT 6 Status POS LOST	If the actuator has lost its position, POS LOST indicator will occur in the status bar		
E	?	Help manual of what the different functions means.		
F	(j)	The customer can add their own information as PDF-file.		
G		A picture of the control box		
Н		The customer can change the application picture.		
I	COMPANY LOGO	The customer can add their own LOGO.		

# Service Data Tool help manual for CO Control Box Platform Actuator view



# Example given with a 6-actuator system

	Symbol	Explanation
A	Cutoff Limit IN OUT [A] 3 3	To ensure that the application will stop if the current draw exceeds the preset limits.
Work Total work on ampere usage of how much		Total work on the actuator (A*S): Work indicator for the actuators measures via ampere usage *seconds in use. The work indicator gives a very good indication of how much the actuator is worn.
		LA20: 10.000 cycles in life test equals: 1.300.000 A*S LA23: 10.000 cycles in life test equals: 1.400.000 A*S LA27: 10.000 cycles in life test equals: 3.700.000 A*S LA31: 10.000 cycles in life test equals: 3.000.000 A*S LA34: 10.000 cycles in life test equals: 4.300.000 A*S LA43: 10.000 cycles in life test equals: 2.500.000 A*S LA40: 10.000 cycles in life test equals: 3.800.000 A*S (LA40 6000N) LA40: 10.000 cycles in life test equals: 4.400.000 A*S (LA40 FL 8000N) LA40: 10.000 cycles in life test equals: 2.900.000 A*S (LA40 PL 8000N) LA40: 10.000 cycles in life test equals: 2.900.000 A*S BL1 : 10.000 cycles in life test equals: 2.200.000 A*S LC1 : 10.000 cycles in life test equals: 3.290.000 A*S LC3 : 10.000 cycles in life test equals: 6.400.000 A*S The work indicator on each actuator can be reset by pressing
	Overloads	Total number of overloads reached inwards and outwards.
	0 0	If more actuators are moving at the same time during an overload situation the overload figure will be counting on all running actuators

Symbol	Explanation	
Acc.Duration	Accumulated activity duration time in seconds.	
Σ[s] 85		
N € 8	Read out how many times a control button has been activated inwards	
оит ••• 7	Read out how many times a control button has been activated outwards	
∑Errors ▲ 0	Numbers of errors per actuator. The indicator can only be reset by exchanging the actuator through SDT2 "Actuator" menu.	
No. of resets 0	Activate this button for update of data when the actuator has been replaced. When a new actuator has been connected it can be re-initiated to start from zero. If "replace" is not activated the COXX believes the first actuator is still connected and the wrong data will be shown. Please notice: A new actuator connected is only visible in the Service data tool view if it has been running in outward or inward direction – A*S>0. When you activate this button it will also reset the number of errors per actuator – see the summary section. The number "0" indicates the number of resets per actuator. Before resetting is complete there will be dialogue boxes like This will reset all data in actuator 2 regarding operation. Do you want to continue? Were you replaced the actuator? Were wour enplaced the actuator? Were wour enplaced the actuator? No Yes Resetting Complete OK	

# How to conclude on the service information

# Total work:

Please contact the manufacturer of the bed application or medical application e.g. couch / table or chair for treatment and examination. The manufacturer will decide when it is appropriate to consider exchanging the actuator.

# Overload:

If overload has occurred it is recommended to consider stronger lifting equipment with higher working load for the particular patient / institution.

# Service Data Tool help manual for CO Control Box Platform Controls view



	Symbol	Explanation
A	Openbus "H-Frame" Input         Power request           Openbus "H-Frame" Input         Power request           10         H1         H2         H3         H4         H5         H6         H7         H8         H9         H10         H11         H12         H14         H16         H16         H17         H8         H2         H2         H2         H2         H2         H2         H16         H17         H18         H19         H20         H21         H22         H24         H22         H20         H20         H31         O	OpenBus Signals
В	Openbus "A-Frame" Led's           openbus "A-Frame" Led's           (a)         12         33         44         A5         A5         A7         A8         A9         A10         A11           (a)         (b)         (c)         (c	OpenBus Diode Signals
C	Openbus         "A-Frame"         Input           Openbus         "A-Frame"         Input           112         13         A14         A15         A17         A18         A19         A20         A21           A22         A23         A24         A25         A26         A27         A28         A29         A30         A31	OpenBus Button Signals
D	ID4-ID7 Service (ID4) ExBits (ID5) Res (ID6)	Additional OpenBus Signals overview

# Service Data Tool help manual for CO Control Box Platform Report view

LINAK Service Report V1.7	① COXX - Linak Service Data Toc
Construint         Total           Operation III III         LINAK Service Report v1.7           Determination         Service Data	LINAK U
Construction (M) Construction (M) Construction (M) Construction (M) Construction (M) Construction (M) Service Data (System Data (M)) Service Data (Syst	COXX(change) Configuration
COSI Friary	Connection Info COM3 (v100.1.8.1) OpenbusOK Devices CDS1
International System No.     192407     Projected By	(G) France Solo La Solo La
Item No.       Item No. <td< td=""><td></td></td<>	

# Example given with a 4-actuator system

Symbol		Explanation
A System P.O System Item No. System S.W Ch1 Item No. Ch2 Item No. Ch3 Item No. Item No. Item No. Item No. Item No. Item No. Software Number	12345678  87654321  13579  LA23-1  LA23-2  LA23-3  LA23-4  MJB500-1023	Write the information which is on the label of the product.

	Symbol		Explanation
В	Inspected By Ser Company Ser	vice Technician	Fill in the information; Inspected by, Company
C	Action Taken	This text will only be saved in the document – pdf or csv file.	Description made in this box will be read out when the report is saved.
D	Notes: This Service Visit	003: Actuator 2 replaced V 007: Battery replaced V V	Choose up to 4 notes after the service visit. Messages for the next service visit - will be stored and readable at next visit. Saving is confirmed. Service code has been saved successfully to the control box.
E	Notes: Previous Service Visit	This information will be saved in the control box until the next report is saved.	Up to 4 notes readable from the previous service visit.

# Example given with a 4-actuator system

COX - Linak Service Data Tool 3	2 - Vec 2.7.9 build 0	- 0 ×
LINAK 🚺		
WE IMPROVE YOUR LIFE	Test	
Connection M/o COM3 (r100.1.8.1) OpenbusOK Devices	LINAK Service Report v1.7	<b>?</b> ()
COM Unit frame which is a state which is a state st	twice two generatives during under directed tables	Con Con
		Company Logo

	Symbol	Explanation			
F	Save	When the application has been checked and the information completed, press			
G	Save as PDF     Save as CSV	"save" to save as PDF, CSV, send to Email. Relevant actuator statistics and system data will be included in the report.			
	<ul> <li>Send to e-mail as PDF</li> <li>Cancel</li> </ul>	Please notice that outlook has to be available. Outlook will open automatically when report download is started. If the COXX is connected to a Battery, Lithium Ion battery – all battery data will			

# Service Data Tool help manual for CO Control Box Platform Advanced settings view

(1) COIOC - Linak Service Data Tool 2	2 - Ver. 2.7.13 build 0									- ø ×
LINAK 🚺										-
CONX(change) Configuration	Tools									
Connection Info COM3 (v 100 1.8.1) C Openbus/OK Devices	LINAK Advar This page is only intend	nced led for tr	Settings v1.15 ained or authorized Service Techni	cians						01
COTI Primary Application Sw No. 1 820060	ACTUATOR STATIS	TICS				SYSTEM STATIS	tics			
A	Cuteff Link DUT Guidf Link IV Overleast DUT Overleast IV Overleast IV Work DUT Work DUT Act: Duretten IV Act: Duretten IV Act: Duretten IV Act: Duretten IV Cotteston SUT Cot IV	[A] Δ Δ Δ	di         di           1         0         0           1         0         0           1         0         0           1         0         0           1         0         0           1         0         0           1         0         0           1         0         0           1         0         0           1         0         0	233 0 0 233 209 164 161 67 65 30 3 0		Application 11 Application 24 Application 24 Application 25	Hari IIII Hari IIIII Hari IIII Hari IIIII Hari IIIIIII Hari IIIII Hari IIII Hari IIII Hari IIIII Hari IIII	C	D Preserve to base to save	COT
	LINAK is not liable for any	damage	or accidents caused by misuse of Servi	e Data Tool						
						9				Company Logo
-br	tended Openbus Cmd Response	e SetOk re	trving to collect data							105

Example given with a 6-actuator system

	Symbol	Explanation
A	ACTUATOR STATETICS           Classification of the state structure of the structure of the state structure of the structure of the str	Remember to update actuator info <b>if</b> <b>the COXX is replaced.</b> In this way you maintain the statistical service data information on the actuators.
В	SYSTEM STATISTICS Application status 1  Application status 2  Application status 4  Application status 5  1	Read out data related to unique customised functions
С	Get Data from CB	Get/Retrieve data from CB: When entering new data the data will be visible with bold script. "Get Data from CB" undo changes and retrieve existing data from the control box.
D	Please remember to save report with existing data before exchanging the CO61 Save Data	Remember to save report with existing data before exchanging the Control box. Save new settings: This will reset the above information with the new data filled in.

# Service Data Tool help manual for CO Control Box Platform Troubleshooting view

① COXX - Linak Service Data Tool 2	2 - Ver. 2.7.10 build 0									- ø ×
LINAK 🔂										-
WE IMPROVE YOUR LIFE COXX(change) Configuration	Tools									
Connection H/o COM3 (v100,1,8,1) Coperbus/OK Devices CO71 CO71 CO72 CO72 CO72	LINAK Troubles This page is only intended for	shooting v1.7 for trained or authorized Ser	ice Technicians		A { 000	Control box error Controls error Duty cycle guard	0 10 0	<ul> <li>Actuator error</li> </ul>		? ()
Application SW No. : 19300094 Version : 0.14622384	ACTUATOR STATISTICS	5			C	2				
write - 6,000	Colorf Limit Out Cashel Limit N Table Davriana Table Aut. Duration Activations (N) Activations (N) Activation (N) Activation (N) Activation (N) Activation (N) Activation (N) Activation (N) Activation (N) Activation (N)	$\begin{array}{c} \begin{array}{c} \begin{array}{c} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$	A         2         A           3         3         3           0         0         0           29         11           127         77           22         11           34         22           0         0           0         0           0         0           0         0           0         0           0         0		I         I         I           0         0         0           0         0         0           0         0         0           2255         1284           2271         1282           1024         151           3         5           1         1           0         0         0           0         0         0	≻B			C	CO1
	Pequeit sert Or5Data	nage or accidents caused by miss	se of Service Data Tool				Ø		Download and send log file	Company Logo
Real	dina Extended openbus device 6 regist	ster4)	STREAM	ATTATOR CONTACT	BAGHT BITTING		-n2			

Example given with a 6-actuator system

	Symbol	Explanation
A	<ul> <li>Control box error</li> <li>Controls error</li> <li>Duty cycle guard</li> <li>0</li> </ul>	The LED is orange if there is a failure or error. The orange triangle symbol is shown next to the channel where the failure is detected. The total number of errors is stated and can only reset by replacing the control box and press the following button in the Advanced settings section
В	Actuator error	The LED is orange if there is an actuator error. Please see the actuator statistics for the total number of errors per actuator.
С	ACTUATOR STATISTICS           Castiff Link Burf.         L <thl< th="">         L         L         L</thl<>	Overview of the number of errors per channel.

	Symbol	Explanation
C	Download and send log file	Press this button to download and send a log file with all actuator statistics and troubleshooting data.
		The log file will be sent to your outlook for easy forward to your LINAK contact for further support.
	Download is in progress. Please wait	Please notice that outlook has to be available. Outlook will open automatically when report download is started.
	The report has been sent to email.	Status information and confirmation of successful download of Troubleshooting report will be shown.

# Service Data Tool help manual for PJ2 Junction box view

COXX - Linak Service Data Tool	2 - Ver. 2.710 build 0	- a ×
LINAK 🚺		
COOC(change) Configuration	Toda	-
Connection Info CONIC (v100.1.8.1) OpenbusOK Devices	LINAK Port Junction Box v1.7	٥ (
COT CIT FILM CIT FILM IS ALL IN CIT FILM IN CIT FILM IS ALL IN CIT FILM IN CIT	12/2 Details           Referent tide from P.Q:           SW no :         810001           Vessoic         V0.30963           PO number and series no:         3372720-10	OT COT
	😫 🔔 雲 🗐 🧐 🥝	Company Logo

	SYMBOL	EXPLANATION
	Please notice! This sec	tion is only visible when PJ2 is connected to a LINAK COXX Control Box. Data are slowly updated
A	PJ2 details	Automatically read-out of the PJ2 for easy identification

# Service Data Tool help manual for Battery view

① COXX - Linak Service Data Tool 2 - Ver. 2.7.9 build 0			- o ×
LINAK 🕹			
CONC(change) Configuration Tools			
Connection Hile COM3 (v100.18.1) CoenclusCK Devices	ery v1.5		<b>?</b> ()
COSI Primery Application SN No. : 20199230 Version : 0.12660205 Version : 1.6	GING STATE	EATTERY HEALTH	1
2,040		Data y read and the second sec	cosi
B B Battery capacity SW number / we Production weel PO number and	ILS , designed 2,0 Ah rssion SW00078086V1-0 K /year 39/2016 series number 2844179-1	Actual from in battery box 20°C 70°F Actual proximation in battery box 6 mA Total APS charged into battery 140(70) APS harged into battery APS	5
		84	Company Logo

	SYMBOL	EXPLANATION						
	Please notice! This section is only visible when COXX is connected to LINAK a battery.							
A	On Mains	This symbol indicates that COXX is connected to mains power.						
	BATTERY	This symbol indicates that COXX is operating on a Lithium Ion battery.						
		Battery Status is indicated by % and colour:						
	100%	Green: Battery fully charged (approx. 100-40% capacity remaining)						
		Yellow: Charging recommended (approx. 40-21% capacity remaining)						
		<b>Orange</b> : Low critical battery level. (Depending in COXX SW there will be audio signal when the hand control is activated. Limited actuator function).						
В	Battery details	Automatically read-out of the battery details for easy identification of the battery						
С	Battery life	Battery life is indicated by % and colour:						
		Green: Excellent battery life (approx. 100-70% capacity remaining)						
	Þ	Yellow: Good battery life (approx. 69-30% capacity remaining)						
		Orange: Critical battery life - Replace battery (below 30% capacity remaining)						
D	Battery health	The use of the battery affects the battery health and the number of incidents of the following can also help explaining the battery health and the length of the battery life. These statistical data are also useful for service evaluation.						
E	Battery Use	This setion indicates the use of the battery. The work indicator for the battery measures via ampere usage*seconds in use. The work indicator gives a very good indication of how much the battery is worn. These statistical data are also useful for service evaluation. For BA21 battery, <b>500</b> full charging/decharging cycles is approx <b>2.700.000</b> A*S. However, this is only a rough guideline as a lot of factors will affect the BA21 lifetime e.g how the battery is used and charged. <b>See the Battery Section for further details</b> .						

# Service Data Tool help manual for BA21 Battery Service view

🛞 BA21 - Linak Service Data Tool	2-Ver.2.2.11 build 0	- ø ×
LINAK 🕹		-
BA21(change) Configuration	Tools	
Connection Info COM3 (v100.1.8.1) Openbus/OK Devices	LINAK BA21 The section is internided for trained or authorized Service Technicians	<b>?</b> ()
B421 50rice : 4 50rVies : 19 40r, Sr : 2000244 version : 4:1510778 treseverk1 : 05: 2:1		BAZT
	Domain Use Tracementary Learning to region 4 pages 4 minutes       Entrance of the second for the sec	
		Company Logo
Set	ting Distended openbox devices Singlate 125	

	Symbol	Explanation	
	Please notice! This s battery.	ervice data tool section is only to be used when support of LINAK BA21 lithium Ion	
	Please notice that of is started.	utlook has to be available. Outlook will open automatically when report download	
	If you have a CO-Lir to the primary COX	Ik system, it is possible to read-out battery statistics from two batteries connected K and the secondary COXX respectively.	
	Choose the BA21 view Battery for read-out of statistics connected to the COXX primary control box. Choose the BA21 view Battery secondary for read-out of statistics connected to the COXX secondar control box.		
	Having a system wh take up to 10 min.	ere the battery is connected to a PJ2, the duration for generating the report can	
A	Save بل	Press "save" to download a battery log file as CSV and send to Email. The Battery details and relevant Battery statistics will be included in the report. These data are useful for further technical analysis of the battery.	
		DOWNLOAD TECHNICAL BATTERY DATA           Duration for generating the report - Approx 5 minutes           (c)         Save as CSV           (c)         Send to Email as CSV           Save as         Save as CSV	
В	Battery details	Automatically read-out of the battery details for easy identification of the battery	

# Service Data Tool help manual for BA16/19 Battery Service view

(1) BA19(BA16)-2nd - Linak Sen	ice Data Tool 2 - Ver. 27.72 build 0	- 0 ×
LINAK 🔂		-
WE IMPROVE YOUR LIFE	Conference of the Conference o	
Connection Info COM3 (v 100, 1.8, 1) CoenbusOK Devices	LINAK BA16/BA19 v1.2 This section is inlined or trained or authorized Service Technicans	<b>?</b> ()
	Double to preveding the squark April 24 Marca 1 minutes         Double to preveding the squark April 24 Marca 1 minutes         Stream         Stream         Stream	LLL BAGE BAS
		Company Logo
	"Estended Openhus Cmd Response: SetOk retrying to collect data	

	Symbol	Explanation		
	Please notice! This service data tool section is only to be used when support of LINAK BA16 / BA19 Lead acid batteries.			
	Please notice that outlook has to be available. Outlook will open automatically when report do is started. If you have a CO-Link system, the Service data tool it is possible to read-out battery statistics for batteries connected to the primary COXX and the secondary COXX respectively. Choose the BA16/BA19 view for read-out of statistics from BA16/BA19 connected to the COX primary control box. Choose the BA16/BA19 2 <sup>nd</sup> view for read-out of statistics from BA16/BA19 connected to the COX primary control box.			
A	Save d	Press "save" to download a battery log file as CSV and send to Email. The Battery details and relevant Battery statistics will be included in the report. These data are useful for further technical analysis of the battery.		
В	Battery details	Automatically read-out of the battery details for easy identification of the battery		

# How to change the application picture, COMPANY LOGO and information PDF-file

	Symbol	Explanation	
	Select picture	Click on the application picture or COMPANY LOGO with the right mouse button to select another picture or logo. Please use the file type JPEG or PNG.	
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5	Name         Dat           BA21         08-           C620_CBx053         08-           C061         08-           C0XX-Scondary         C0XX-Scondary	Open the software-map for COXX	
6	This PC > Windows (C) > LINAK > SDT2 > Devices > CC Name Views Commands COXX	Click on devices, COXX and views	

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7	This PC → Windows (C)         LINAK → S072 → Devices → CDXX           Norme         Date m           Norme         Addes Acousting to the mode mode mode mode mode mode mode mod	Click on PDF to change a pdf file in one of the sections or to add an info file
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9	Name Type 2 BA21 Manual Battery Service View Adobe Acrobit D 2 COX Manual Sommary view Adobe Acrobit D 2 COX Manual Concelenotors give Adobe Acrobit D 2 COX Manual Accelenotors give Adobe Acrobit D 2 COX Manual Accelenotors frage-Output Adobe Acrobit D 2 COX Manual Active Corput Adobe Acrobit D 2 COX Manual Active View Adobe Acrobit D 2 COX Manual Active View Adobe Acrobit D 2 COX Manual Active View Adobe Acrobit D 3 COX Manual Active View Adobe Acrobit D	Copy the file you want to add to the folder and rename the new pdf with the name of the pdf you want to replace. If we take the example from point 8, you have to change it to "Info site"

# Info Site

One info site can be added per section in the Service Data Tool. The info site can be used for...

- Service checklist for technician to follow
- User Manual
- Etc.

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