

**Customer Service** 

Additional Information No. 00022500FD

# Liebherr Diagnostic Tool (LDT)

**Preface:** The Liebherr Diagnostic Tool (LDT) has been developed to provide service technicians in appliance diagnosis tasks. The LDT enables technicians to quickly obtain an overview of the current status of a compatible appliance.

The Remote Mode can be used to assist in actuating consumers individually or as part of a combination.

The Parameter Update function enables the latest parameter set to be played on the electronics. This prevents the hardware from having to be replaced.

Combined with the provision of a small volume of basic electronics, the on-site

parameterisation permits a massive reduction in the number of configured (stored) electronics. The on-site programming of the type plate data for the appliance is also possible.

LDT is exclusively intended for the Liebherr contract organisation and consequently increases the expertise of the Liebherr service technicians.

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## **1** User Registration

Each user must be registered in order to be able to use LDT.

The user can access the log-on / registration page via the following LINK

#### LINK: <u>https://downloads.liebherr.com/software/ldt/</u>

Deutsch Y			EBHER	R
Diagnostic Tool				
Laden Sie das Liebherr Diagnostic Too	l hier herunter		Ţ	-
Anmelden Registrieren Kicken Sie hier wenn Sie bereits ein Liebherr Account sich neu registrieren wollen.		Kontakt	act to a	

The user must register on the first occasion that they use this tool.

In doing so, the user should use a personal e-mail address. No general company e-mail addresses such as <u>info@musterfirma.de</u> will be approved.

## 1.1 User registration (detail)

#### 1.1.1 User data

#### The user data is first requested.

Persönliche Daten
Bereich Anwendung
Anrede • Titel
Vorname *
E-Mail * 1
E-Mail bestätigen *
Berufsbezeichnung
Telefonnummer Handynummer
bevorzugte Sprache * 1
Deutsch v
Abbrechen Weiter zu Schritt 2
* Pflichtfeld

### 1.1.2 Company data

The company data is then requested.

Firmendaten
Company Name * i
Country
Germany
Street *
Postal Code * City *
E-Mail-Address of company
Telephone Number i DUNS Number i
Website
I have read and understood the <u>terms and conditions</u> and hereby agree to same.
Previous Sign Up
* Pflichtfeld

My Account	LIEBHERR
Liebherr Portal	
Submission successful	X
Your account information has been transmitted successfully. You will soon receive a verification email. Please follow th	e instructions in the email.

### 1.1.3 Confirmation e-mail

The user receives a confirmation e-mail and must agree to the use of their e-mail address.

	LIEBHERR
Li Ao	ebherr   Bitte bestätigen Sie Ihre E-Mail- dresse
Seh	r geehrter Herr Mustermann,
Sie	haben eine Registrierungsanfrage für <u>www.myliebherr.com</u> gestellt.
Um und <u>http:</u> conf	Ihre Registrierungsanfrage abzuschließen klicken Sie bitte auf den unten angegebenen Link folgen Sie den Hinweisen: <u>s://myaccount.liebherr.com/setnewpassword.aspx?</u> firmID=62387cb6562d417da5a18ebc1adc6a8a
Wer	n Sie sich nicht für MyLiebherr registriert haben, ignorieren Sie diese Mail.
Imp	pressum
Lieb St. V Ges Ust Amts	herr-IT Services GmbH ítus 1, 88457 Kirchdorf an der Iller, Oberopfingen chäftsführer: Uwe Rechtsteiner ·Ident-Nr.: DE 813081368 sgericht UIm, HRB 641506

#### 1.1.4 Password issue

The user can move to password assignments by selecting the LINK.

My Account	LIEBHERR
Liebherr Portal	
Kennwort einrichten Bitte legen Sie ein Kennwort für Ihr Liebherr Benutzerprofil fest.	
Das Passwort darf nicht Ihren Vor- oder Nachnamen enthalten.	
Neues Passwort *	
Passwort wiederholen *	
Abbrechen 🗟	Passwort erstellen

#### 1.1.5 Liebherr approval

Once the registration process has been completed, the data is sent to Liebherr for approval.



## 2 Company administrator

The first user from a company is created as the company administrator.

This person can register further users for the company.

https://myaccount.liebherr.com

### 2.1 Add further employees

You are logged on as: Mustermann	Max (LIS Testfirma) \vee English 🗡	LIEBHERR
Liebherr Portal Application	15	
> Overview: Liebherr Portal		
My Profile >	Edit Company	
My Company >	My Colleagues	
My Service Partner 🛛 💙 🚿	Create new colleague	
My Products >	Pending approvals	
		×

### 2.2 Request authorisation for LDT

If the company administrator adds employees, Liebherr must authorise these employees to use the LDT.

In order to do so, send an e-mail to your responsible Liebherr contact with "Antrag auf LDT Zugriff" (or "Application for LDT Access") in the subject line.

The e-mail address as well as the company data must be provided here.

Attention: Please be aware that this is a manual process and can take up to 2 working days.

## 3 LDT installation

#### 3.1 System requirements

- Windows Operating System (Windows 7 SP 2 and higher)
- Min. 4 GB RAM
- Min. 4 GB free hard drive capacity

An RS232 interface / USB converter is required in order to establish a connection to the refrigerator.

The computer / laptop must at least have a partial Internet connection.

The LDT is available in a 64 Bit as well as a 32 Bit version.

**TIP:** You can view the properties of your Windows version by pressing the Windows key 
■ + Pause

### 3.2 Download

Registered users can download the LDT via the LINK.

https://downloads.liebherr.com/software/ldt/

$\sim$			
			>
	Hier klicken für Download vom Dagnostic Tool - 32bit version	Hier klicken für Download vom Diagnostic Tool - 64bit version	

Note the respective version (32 Bit / 64 Bit) when downloading the application.

- > Locally save the Zip file on the computer.
- Unpack the Zip file.

Name
ᡖ LDT.Setup.msi Setup.cmd 最 SqlLocalDB2016.msi

### 3.3 Installation

> Execute Setup.cmd.

The SQL database is installed first.





Die Installation von SQL Server 2016 LocalDB wird abgeschlossen.
SQL Server 2016 LocalD8 wurde erfolgreich installiert. Klicken Sie auf "Fertig stellen", um Setup zu beenden.

#### The LDT setup is then executed.

LDT – 🗆 X	🛃 LDT – 🗆 🗙
Welcome to the LDT Setup Wizard	Select Installation Folder
The installer will guide you through the steps required to install LDT on your computer.	The installer will install LDT to the following folder. To install in this folder, click "Next". To install to a different folder, enter it below or click "Browse".
	Eolder. C\Program Files (x66)\LDT\ Browse
	Disk Cost
WARNING: This computer program is protected by copyright law and international treaties. Unauthorized duplication or distribution of this program, or any portion of it, may result in severe civil or criminal penalties, and will be prosecuted to the maximum extent possible under the law.	Install LDT for yourself, or for anyone who uses this computer: <ul> <li>Everyone</li> <li>Just me</li> </ul>
Cancel < Back Next>	Cancel KBack Next
🗿 LDT — 🗆 🗙	🛃 LDT – 🗆 🗙
Confirm Installation	Installation Complete
The installer is ready to install LDT on your computer.	LDT has been successfully installed.
Click "Next" to start the installation.	Click "Close" to exit
	Please use Windows Update to check for any critical updates to the .NET Framework.
Cancel < Back Next>	Cancel < Back Cose

The installation can be performed manually if setup.cmd does not work.

- > First execute SQL...msi.
- > Then execute LDT.Setup.msi.

#### 3.4 Installation update

A new version of LDT should be installed.

Ensure that the LDT is not open.

Uninstall LDT via the computer system settings.

Files will remain in the installation directory. Only delete these files if explicitly requested to do so.

- ➢ First execute SQL…msi.
- > Then execute LDT.Setup.msi.

### 3.5 Start LDT

An LDT icon will appear on the desktop once successfully installed.



The computer must be connected to the Internet when starting the LDT for the first time.

### 3.6 Authorisation

• =		Liebherr Diagnostic	Tool	_ = ×
🔝 Start	Debug			
🛱 Home	📥 RS232	🖋 Ersatzteilelektronik	Typschild	
🏟 Konfigurieren	Verbindung beenden	🖋 Parametersatz aktualisieren	Kenndaten	
QRCode	🖾 Remote	Elektronik leeren	🗖 Equipmentfehler	
Start	Verbindung	Parametrisieren	Geräteinfo	
		Login Vuename: hauUligit Password:	X Login	
Nicht verbund	den			Version=1.0.30.20653

The user name must be the e-mail address used during the registration process.

The password must also be entered.

A green dot on the upper left edge of the LDT displays the connection status to Liebherr systems.



### 3.7 Database update

The database is initially updated if the authorisation was successful.

Retrieve online database? ×		
Would you like to update the database?		
Download size: 225,36 MB		
Estimated time:	37:51	
Download speed:	101,58 kB/s	
Ok	Cancel	

> Confirm this query with "OK".

Once successfully downloaded, LDT will create the database.

LDT is terminated and automatically restarts.

### 3.8 LDT settings

Open settings	● ▼       Start         Image: Start       Image: Start         Image
COM ports	
Set the respective COM Port as the default.	COM Ports     COM     CO
Printer setting (in-house function)	
A standard printer can be selected. This printer will print a label when programming replacement parts for electronics.	Image: Start       Image: Start <t< th=""></t<>
	Wingsyptiwn01.hau.ulebherri.Vingpr-kd016     Wissvfie01/LiSprCol31     Als Standarddrucker verwenden

## 4 Connection to an SDB-capable appliance

### 4.1 Hardware

#### 4.1.1 Serviceadapter

A Liebherr service adapter is required in order to establish a connection to an appliance with the LDT.



Service adapter Article number: 6124 662, PG 28

#### 4.1.2 USB converter

- A USB converter must be used if the computer does not have an RS232 interface.
- A Liebherr adapter can be used here for instance.



USB converter Article number: 9418 214, PG:18

#### 4.2 Terminal

The tool can be used to service all appliances that are suitable for use with the SmartDeviceBox (SDB). The adapter is connected at the point where the SBD is also inserted (behind the left front panel cover)





## 4.3 Establishing a connection

Start LDT	
LDT start screen	Liefzer Disputic Iod         Start       Exattarilidektronik         Konfiguieren       Verbindung benohen         Start       Brencie         Start       Verbindung         Parameterisieren       Gesteinfo
Establish a connection with the appliance.	
➢ Select "RS232".	Start         Home         Home         Konfigurieren         Konfigurieren         Remote         Start
Select a COM port with the ID (E2015).	COM1 ( Unknown )     COM3 ( E2015 )
Single click on "Verbinden" ("Connect"). ATTENTION: The connection establishment process takes a while (~30 seconds) without the tool responding.	Verbinden Aktualisieren COM1 (Unknown) COM3 (E2015)

The type plate data is assumed from the appliance if the connection is successful.

The following message

- Appliance designation=Identifier
- Serial number
- "Connected"

appears at the bottom left of the screen.

SGNPbs 4365 32.903.680.3 Verbunden



## 5 Appliance status overview

Establishing a connection	Typschildinformation:		
	Identifier: SGNPbs 4365 Model: 000 Index: 20A/001 Service#: 9991644-01 Serial#: 32.903.680.3		
Switch to the Controls view.			
Select "Home".	E Start De		
(Controls description, see Chapter 7)	Home • Konfigurieren · QRCode E		
All standard controls are displayed.	Start Debug		
	Verdampferfühler Gefrierteil -22,19 (°C) 5,31		
	Luftfühler Gefrierteil Türerkennung Kühlteil Umgebungsfühler Licht Köhlteil -25,54 [*C] Off Off 25 [*C] Off S		

#### Liebherr Diagnostic Tool (LDT)



## 6 Triggering consumers (Remote mode)

Establishing a connection	Typschildinformation:	
	Identifier: SGNPbs 4365	
	Model: 000	
	Index: 20A/001	
	Service#: 9991644-01	
	Serial#: 32.903.680.3	
Trigger consumers.	E Start	
Select "Remote"	Home AS232	
See Controls description for further details.	Konfigurieren Verbindung beenden	
	Verbindung beenden	
	Kemote	
	Start Verbindung	
Switch back to normal mode.		
Select "Remote" once again.		

## 7 Controls details

Some controls are explained here. All controls are structured in a similar manner. Further controls will be added.

### 7.1 Sensors

Control	Standard (Monitoring mode)	Remote mode
Sensors All sensors are illustrated with this control type.	Verdampferfühler Gefrierteil <i>-21,05 [°C]</i>	Same as monitoring mode
	The evaporator sensor measures a temperature of -21.05 °C.	
	Values are constantly read without an offset.	
	The control is displayed dark if a sensor error is detected. Verdampferfühler Gefrierteil 0 [°C]	
	The evaporator sensor is exhibiting an error. <b>Error:</b> <i>Temperature value is</i> <i>incorrect!</i>	

### 7.2 Compressor

Control	Standard (Monitoring mode)	Remote mode
Compressor	Standard (Monitoring mode)Image: Standard (Monitoring mode)Image: Standard (Image: Standard 	Remote modeImage: Kompressor 1 950 1 //Image: Status 1 950 1 //Compressor status is "Off"Image: Status 1 950 1500 2000 3150 3600Image: Status 1 950 1500 2000 1500 2000 3150 3600Image: Status 1 950 1500 1500 2000 1500 2000 3150 3600Image: Status 1 950 1500 1500 2000 1500 1500 2000 1500 1500 2000 1500 1500 1500 2000 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500 1500<
		changed by selecting it.
		left mouse button once again.

## 7.3 Speed-controlled fan

Control	Standard (Monitoring mode)	Remote mode
<b>Speed-controlled fan</b> Speed-controlled fans are controlled via this control type.	Verflüssigerventilator	Verflüssigerventilator 0 • Off 😒 0 [rpm]
	Fan status is "On" Current speed = 1112 rpm	Fan status is "Off"Verflüssigerventilator1001100110011001100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100100

### 7.4 Fan

Control	Standard (Monitoring mode)	Remote mode
Fan All fans that are not speed- controlled are controlled via this control type.	Ventilator Gefrierteil 8 On 8 8 M	Ventilator Gefrierteil 8 Off 😵 0 [V]
	Fan status is "On" Current triggering voltage = 8 V On = Fan ON Off = Fan OFF	Fan status is "Off"Ventilator Gefrierteil8810.580Fan ONSelect triggering voltage.Ventilator Gefrierteil1111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111

### 7.5 Door detection

Control	Standard (Monitoring mode)	Remote mode
Door detection All door detections are displayed with this control type.	Türerkennung Kühlteil Off 🔇	Same as monitoring mode
	Off = Door closed	
	Türerkennung Kühlteil On ⊘	
	<b>On</b> = Door open	
	The control is displayed dark if the associated compartment is switched off.	
	Off (2) Refrigerator compartment is switched off.	

## 7.6 Light

Control	Standard (Monitoring mode) Remote mode	
Light	Licht Kühlteil Off ⊗	Licht Kühlteil Off 😒
	Off = Light OFF Door is opened. Licht Kühlteil On Ø	Light status is "Off" Light ON Actuate the control with the left mouse button.
	<b>On</b> = Light ON	Light status is "On" Light OFF Actuate the control with the left mouse button once again.

### 7.7 Defrost heater

Control	Standard (Monitoring mode)	Remote mode
Defrost heater	Abtauheizung Off ⊗	Abtauheizung Off ⊗
	Defrost heater status is "Off" <b>Off =</b> Defrost heater OFF	Defrost heater status is "Off" Defrost heater ON
	<b>On</b> = Defrost heater ON	Actuate the control with the left mouse button.
		Abtauheizung
		On 🔗
		Defrost heater status is "ON"
		Defrost heater OFF
		Actuate the control with the left mouse button once again.

## 7.8 Stepper motor valve

Control	Standard (Monitoring mode)	Remote mode
Stepper motor valve	Schrittmotorventil (0=?/ 1=AclBcl/ 2=AopBcl/ 3=AclBop/ 4AopBop/ 5=ref) 3 []	Schrittmotorventil (0=?/ 1=AclBcl/ 2=AopBcl/ 3=AclBop/ 4AopBop/ 5=ref) 3 []
	Stepper motor valve in position <b>3</b>	Stepper motor valve position 3.
	0=?	The next position is triggered
	undefined/in motion	by pressing the left mouse
	1=AcIBcI	
	Connection A = cl (close) closed	
	Connection B = cl (close) closed	Schrittmotorventil (0=?/ 1=AclBcl/ 2=AopBcl/ 3=AclBop/ 4AopBop/
	2=AopBcl	5=ref)
	Connection A = op (open) opened	0 []
	Connection B = cl (close) closed	
	3=AclBop	The position is undefined
	Connection A = cl (close) closed	displayed.
	Connection B = op (open) opened	
	4=AopBop	Schrittmotorventil (0=?/
	Connection A = op (open) opened	3=AclBop/ 4AopBop/ 5=ref)
	Connection $B = op$ (open)	
	opened	4 <u>U</u>
		Stepper motor valve position 4.
		Switching the positions $1 \rightarrow 2 \rightarrow 3 \rightarrow 4 \rightarrow 1 \rightarrow$

## 7.9 Air flap

Control	Standard (Monitoring mode)	Remote mode
Air flap	Luftklappe 1 (0=cl/ 1=op / 2=7) 10 Air flap in position 1 Position 0 = cl (close) closed Position 1 = op (open) opened Position 2 = Undefined/in motion	Luftklappe 1 (0=cl / 1=op / 2=?) 1 Air flap position 1 The next position is triggered by pressing the left mouse button on the control. Luftklappe 1 (0=cl / 1=op / 2=?) 2 The position is undefined during the movement, "2" is displayed. Luftklappe 1 (0=cl / 1=op / 2=?) 0 Air flap position 0 Switching the positions 0 $\rightarrow$ 1 $\rightarrow$ 0 $\rightarrow$
		$0 \rightarrow 1 \rightarrow 0 \rightarrow \dots$

## 7.10 Appliance power input

Control	Standard (Monitoring mode)	Remote mode
Appliance power input	Leistungsaufnahme Gerät <i>0 [W]</i>	Same as monitoring mode
	The current power input of the entire appliance is displayed.	
	<b>ATTENTION:</b> The values are indicators. Measurement errors of up to 20%	

### 7.11 AirFilter reminder function

Control	Standard (Monitoring mode)	Remote mode
<b>AirFilter reminder function</b> This control can display the reminder function setting.	Erinnerungsfunktion AirFilter wechseln On 🕜	Same as monitoring mode
	The AirFilter reminder function is activated.	

## 8 Equipment errors

A triangle in the appliance display indicates an error message.

If a connection is established, the user can display a list of all present equipment errors by selecting "Equipmentfehler" ("Equipment errors")

	Typschild
sieren	Kenndaten
	🗖 Equipmentfehler
	Geräteinfo

Equ	ipmentfehle	er				×
	ErrorCode	Ţ	Description	Ţ		
	BT031		Fehler Luftfühler Gefrierteil			
	BT041		Fehler Verdampferfühler Gefrierteil			
	GQ033		Fehler (Drehzahl) Ventilator Verflüss	iger		
			Schließen 03.11.2017 10:41			

## 9 Update parameter set

2 files can be updated with this function

- Liebherr Script Data (LSD)
- Liebherr Parameter File (LPF)

Establishing a connection	Typschildinformation:		
	Identifier: SGNPbs 4365		
	Model: 000		
	Index: 20A/001		
	Service#: 9991644-01		
	Serial#: 32,903,680.3		
Select "Update parameter set".	📥 RS232 💉 Ersatzteilelektronik		
	Verbindung beenden 💉 Parametersatz aktualisieren		
	🖾 Remote 🛛 🖛 Elektronik leeren 😽		
	Verbindung Parametrisieren		
The following appear:			
Appliance designation (identifier)			
Service no.			
Hardware ID     Decomptor file list			
Parameter menst.	Gerätebezeichnung: GNI 4355		
Parameter file list:			
Version: Not relevant	Harware-ID: 612452802		
Article number: This is the article number of the parameter version. Most recent	Version <b>Y</b> Artikelnummer <b>Y</b> Basiselektronik <b>Y</b> OK		
Displayed at the bottom.	34 614006600 612452802		
Example: 6140006 <b>00</b>	34 614006601 612452802		
6140006 <b>01</b> Always use the current version unless otherwise	40 614017600 612524600		
stated.			
Base electronics: This is the article number of			
the base electronics. Must			
correspond to the			

Select the suitable parameter set. Confirm with "OK".	Gerätebezeichnung: GNi 4355 Service-Nr: 999144001 Harware-ID: 612452802 Version T Artikelnummer T Basiselektronik T 34 614006600 612452802 34 614006601 612452802 40 614017600 612524600	
The files are read.	GNi 4355 31.809.072.4 Gerätedaten lesen	
Update successfully performed.	LPF-Flash erfolgreich	
Error messages		
An article number was selected that does not correspond to the Hardware ID. Example: Incorrect: 614017600 Correct: 6140006 <b>01</b>	Es gibt kein LPF für die ET Baugruppe 614017600 das zur ausgelesenen Hardware Id 612452802 passt.	
<b>Remedial action:</b> Check whether the correct article number was selected.		
The parametrising failed.		
Remedial action: Re-parameterise.		

## 10 Write type plate data

If a connection is established to electronics without type plate data, the	Informationen über das Kühlgerät 🛛 🗙
• sonvice number (Sonvice#:)	Identifier:
and	Model:
<ul> <li>serial number (Serial#:)</li> </ul>	Index:
must be entered retrospectively.	Service#:
The following are detected and automatically	Serial#:* 00.000.000.0 <b>()</b>
entered:	Serial#(2):
Identifier	Service#(2):
Model	
• Index	Speicher 🖋 Bearbeite 🗙 Abbreche
Service number input.	Informationen über das Kühlgerät
	Identifier: GNi 4355
	Model: 000
	Index: 20A/001
	Service#: 9991440-01
	Serial#:* 00.000.000.0 <b>()</b>
	Serial#(2):
	Service#(2):
	💾 Speichert 💉 Bearbeite 🗙 Abbreche
Serial number input.	Informationen über das Kühlgerät
	Identifier: GNi 4355
	Model: 000
	Index: 20A/001
	Service#: 9991440-01
	Serial#:* 31.809.072.4
	Serial#(2):
	Service#(2):
	Bearbeite X Abbreche
Save type plate.	
	Speicherr 🖉 Bearbeite 🗙 Abbreche
Save was successful.	GNi 4355 318090724 Typschild wurde gespeichert!

## **11 Replacement parts for electronics (parameterise)**

Select "Ersatzteilelektronik" ("Replacement parts for electronics").	en Versatzteilelektronik Paramersatz aktualisieren Elektronik leeren Parametrisieren Geräteinfo
The "KD-ELEKTRONIK PROGRAMMIERT" ("CUSTOMER SERVICE ELECTRONICS, PROGRAMMED") LIPARTS article number, extended with "00" must be entered under "ET- Baugruppen Nr." (Replacement part assembly unit number").	Harware-ID: ET-Baugruppen Nr: 614006600 Suchen Version T Artikelnummer T Basiselektronik T OK 34 614006600 612452802 34 614006601 612452802 40 614017600 612524600
Select the article number in accordance with the present hardware. (The article number is stated on the electronics) The current parameter version is displayed at the bottom. Always use the current version unless otherwise stated.	Harware-ID: ET-Baugruppen Nr: 614006600 Suchen Version <b>T</b> Artikelnummer <b>T</b> Basiselektronik <b>T</b> OK 34 614006600 612452802 34 614006601 612452802 40 614017600 612524600
Press "OK". Parametrising begins.	n Nr: 614006600 Suchen Artikelnummer <b>T</b> Basiselektronik <b>T</b> 614006600 612452802 614006601 612452802 614017600 612524600
Update successfully performed.	LPF-Flash erfolgreich
Error messages	
The cause in the settings is that the wrong COM port has been set.	
<b>Remedial action:</b> Set the correct COM Port as the default.	Fehler bei der Kommunikation. Details im Logfile!
An article number was selected that does not correspond to the Hardware ID. Remedial action: Check whether the correct	Es gibt kein LPF für die ET Baugruppe 614017600 das zur ausgelesenen Hardware Id 612452802 passt.
The parametrising failed	
Remedial action: Re-parameterise.	LPF-Flash Failed!

## **12 Emptying the electronics**

This function is used if a certain piece of electronics was programmed with type plate data and configuration and is to be used with another appliance with different type plate data and configuration.

Select "Elektronik leeren" ("Empty the electronics").	Home 🔅 Konfigurieren	➡ RS232 Verbindung beenden তৌ Remote Verbindung	<ul> <li>Ersatzteilelektronik</li> <li>Parametersatz aktualisieren</li> <li>Elektronik leeren Parametrisieren</li> </ul>
Confirm the security prompt by pressing "Ja" ("Yes").	! × Sind Sie sicher, dass Sie mit dem Formatieren fortfahren möchten?		
Confirmation that "Leeren" ("Empty") was successful.	Resetting electronic data complet		
"Wrong Configuration" appears in the appliance display.	Wrong	Configuration	