



LON-Bluetooth-Gateway



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Contents

1	General	4
1.1	Abbreviations, characters and symbols used	4
1.2	Notation	4
1.3	Further information	5
1.4	How to contact us	5
2	Safety	6
2.1	General safety regulations	6
2.2	Handling electronic assemblies	6
3	LON Bluetooth gateway	7
3.1	Function	7
3.2	Technical data	7
3.3	Connection	7
3.4	Status LEDs	8
3.5	App	8
4	Commissioning	10
4.1	Menu description	10
4.1.1	Keypad	10
4.1.2	Other menu items	11
5	Short instructions	12

1 General

1.1 Abbreviations, characters and symbols used

Symbol / abbreviation	Meaning
LBG	LON Bluetooth gateway
LED	LED
LON	Local Operating Network
▶	Operational instructions Perform the tasks that follow this symbol in the specified order.
	Safety-relevant information This symbol is located in front of safety-relevant information.
	Information notice This symbol is located in front of relevant information.

1.2 Notation

Notation	Meaning
Bold	› Designations of switches and actuators › Input values
<i>Italics</i>	› Captions › Cross references › Designations of functions and signals › Product names
<i>Bold italics</i>	› Remarks
LCD font	› System messages of the controller

1.3 Further information

The following documents, among others, are available for the FST controller and its components.

- › FST-2XT/s manual
- › GST-XT manual
- › ELEVISION 4.0 manual

These and other current manuals can be found in the download area of our website at
<http://www.newlift.de/service/download/?L=0>

1.4 How to contact us

If, after referring to this manual, you still require assistance, our service line is there for you:

Phone	+49 89 - 898 66 - 110
E-mail	service@newlift.de
Mon. - Thurs.:	8:00 a.m. - 12:00 p.m. and 1:00 p.m. - 5:00 p.m.
Fr:	8:00 a.m. - 3:00 p.m.

2 Safety

2.1 General safety regulations

The LBG must only be operated in perfect working condition in a proper manner, safely and in compliance with the instructions, the valid accident prevention regulations and the guidelines of the local power company.

The user of the LBG module must be aware that this module transfers commands to the lift control system. These commands may, under certain circumstances, cause a dangerous state (car and door movements, among others) for persons who are in or at the lift system.



The safety guidelines of the FST manual and the FST Installation and Commissioning manual apply for this product.

2.2 Handling electronic assemblies



Electrostatic charging

- ▶ Keep the electronic assembly in its original packaging until installation to prevent damage.
- ▶ Before opening the original packaging, a static discharge must be performed!
To do this, touch a grounded piece of metal.
- ▶ During work on electronic assemblies, periodically repeat this discharge procedure!
- ▶ Equip all bus inputs/outputs not in use with a terminal resistor (terminator) to prevent malfunctions.

3 LON Bluetooth gateway

3.1 Function

The LON Bluetooth gateway serves as a replacement for the previous hand-held terminal and connects the LON bus to a mobile device by means of Bluetooth. The LBG can be operated both with an Android as well as with an IOS mobile device. The corresponding app and Bluetooth 5.0 are required in order to use the LBG.



3.2 Technical data

Description	Value
Supply voltage	24V DC +/- 10%
Power consumption	< 4mA
Wireless range	approx. 300m outdoors, approx. 10m indoors
Temperature range: storage; operation	-20/+70 degrees Celsius; 0/60 degrees Celsius
Relative humidity: Storage & transport; operation (non-condensing)	5/95%; 15/85%
Width x height x depth	35mm x 68mm x 20mm
Weight	50g
Weight with 500mm LON bus cable	150g
NEW LIFT part. no.: 35-81072 (incl. 0.5m bus cable)	

3.3 Connection

The LBG is equipped with a standard LON plug.



A LON bus cable is necessary for connecting to the LON bus. This is included in the delivery contents of the LBG.

3.4 Status LEDs

There are two status LEDs installed on the LBG that indicate the state of the module.

Colour	State	Description
Green	Permanently illuminated	The device is connected to the LON bus.
	Flashing	The connection request is running.
Blue	Permanently illuminated	The device detected the connection request.
	Flashing	The data is being transferred.



3.5 App

The FST terminal app is needed to use the LBG. This app can be found both in the Google Play Store as well as in the Apple Store.



The LBG requires the app in version 1.0.5 or higher. Older versions must be updated.

Link Google Playstore:

<https://play.google.com/store/apps/details?id=de.newlift.xtterminal>



Link Apple Appstore:

<https://apps.apple.com/de/app/fst-terminal/id1483455371>



4 Commissioning

The LBG is supplied with 24V operating voltage and bus data via the LON cable. Because it is equipped with a standard LON plug, you can connect the LBG at any point on the LON bus. After connecting to the LON bus, the LED illuminates green on the LBG and flashes occasionally while it waits for a connection request from the mobile device.

Start the FST terminal app on the mobile device and select Bluetooth in the menu bar. The mobile device then searches for the active LBG. If an LBG is found, it is displayed on the mobile device as "Newlift-LBG". As soon as "Newlift-LBG" is selected, the LED colour on the LBG changes to blue.

Now select the appropriate "Newlift-LBG" on the mobile device. The connection confirmation "press to connect" is then displayed; press the blue button on the LBG once this appears. The data connection is thereby activated and the LBG flashes blue during data transmission.

The first time the app is started, a control system must initially be selected. The control systems from FST-A to FST-H are listed. For single lifts, always select FST-A. The app then changes to keypad mode and the mobile device displays the FST keypad on the display.

If the mobile device leaves the transmission range of the LBG, an attempt is made to automatically re-establish the connection within 15 minutes. If, however, more than 15 minutes pass between attempts, the blue button/Connect button on the LBG must be pressed again to establish a new connection.

Only one mobile device can be connected to the LBG at a time.

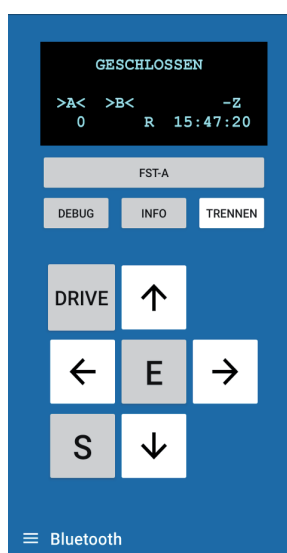
If you would like to end the connection to the LBG, you must press the TRENNEN (DISCONNECT) button on the keypad. It is then possible for a different mobile device to connect to the LBG.

4.1 Menu description





4.1.1 Keypad


The FST display is controlled via the arrow buttons. The DEBUG and INFO buttons are links to the FST DEBUG and INFO menus.

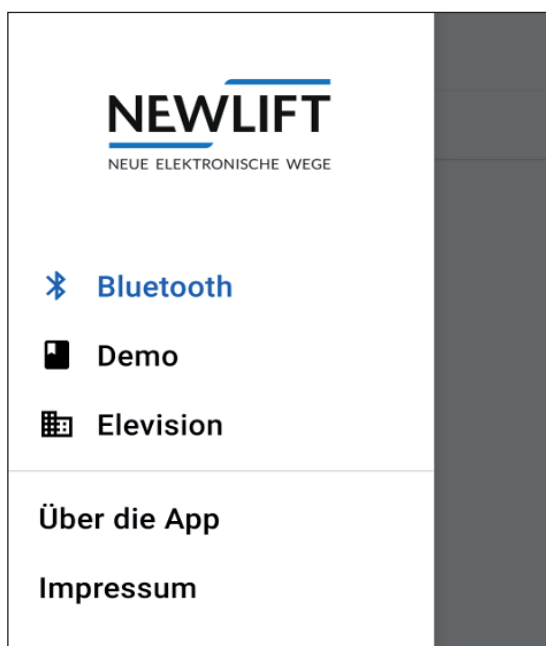
The connection to the Bluetooth module is terminated with the TRENNEN (DISCONNECT) button.



4.1.2 Other menu items

Main menu	Submenu/page menu		Description
Demo			FST keypad including functions and texts is simulated. The connection is established in a manner analogous to that for the Bluetooth connection.
	Cloud		Provided an Internet connection exists, the current help files can be downloaded here from NEW LIFT.
	Globe		Language selection
Elevation			Provided an Internet connection exists, you can connect to Elevation 4.0.
About the app	Version		
	Open source licenses		
	Send status report		In the event of difficulties, you can report the problem to our NEW LIFT service team directly via the status report.
Imprint			Address and other data for NEW LIFT

With the  menu button in the lower left part of the display, you can always return to the view of the main menu.



5 Short instructions



Siehe Kapitel „4 Inbetriebnahme“ auf Seite 10

- ▶ Connect the LBG at any point on the LON bus.
- ▶ Start the app on the mobile device
- ▶ Select Bluetooth in the main menu.
The active LBG is searched for.
- ▶ Select the Newlift LBG.
- ▶ Press the blue button on the LBG module as soon as the connection confirmation appears on the display.
- ▶ Select a control system.
For single lifts, always select FST-A.
The app changes to keypad mode.

NOTES

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