

Extremely fast and simple door commissioning by app



Digitalisation continues to advance at a fast pace, thus increasingly becoming a feature of differentiation. At Interlift 2017 Meiller have presented its door drive concept MiD (Meiller intelligent Drive) and will take the first step towards this direction with this new development.

A controller in two different equipment variations and an identical transformer for all motor configurations prevents mix-ups and simplifies service logistics. Both brushless, frequency-controlled EC motors and DC motors can be controlled which are equipped as standard with a CANopen interface. Boasting high efficiency, these motors are considerably more powerful. The range extends from 200 kg to 800 kg.

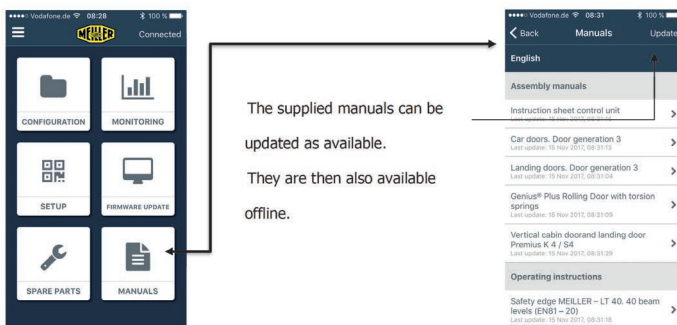
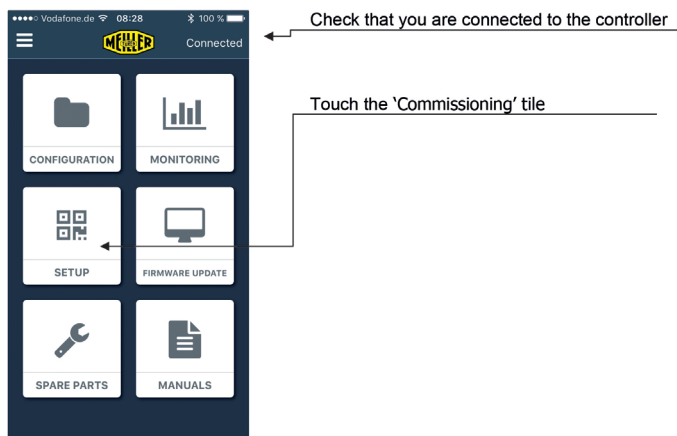
A mobile phone app is now available that allows fast and simple commissioning of lift doors. Door drives can be configured at the installation site using QR codes that are pre-defined for specific products and orders. The door parameters are coordinated to precisely match the size and equipment features of the particular installation and the given on-site conditions. Product-specific settings can be

made using 22 profile parameters. This gives the customer perfectly configured travel profiles with optimum settings for his product. The commissioning process is not only considerably faster and simpler as a result, but it can now be performed without specialist know-how.

Our QR codes provide service technicians with rapid support in the event of any problems. Error codes are displayed in plain text on the controller or the mobile phone app. This makes fault analysis a simple matter for anyone.

Although software updates for door controllers are currently only possible with laptops, in the case of Meiller, it will also be possible to use a mobile telephone equipped with the necessary app.

The app is designed for both Android and IOS platforms and is available both in the Apple App Store and the Google



On your MEILLER product you will find a QR code, which enables simple configuration of the controller. It is generally attached to the inside of the transom.



This QR code is specific to the product and order and is therefore only valid for the product in question.

Once the QR code has been successfully scanned, the learning cycle can commence. During the learning cycle, the data from the QR code is compared with the connected door. If the door does not correspond with the QR code, it is rejected and the learning cycle is not completed.



Caution: Pursuant to EN81-20, the maximum closing force (incl. closing weights of the landing door) must not exceed 150N. In the case of glass doors, this also applies in the direction of opening, under certain conditions. The maximum closing energy must not exceed 10J.

Play Store. The connection to the controller is via Bluetooth, and it can be set up without the user having to exit the application.

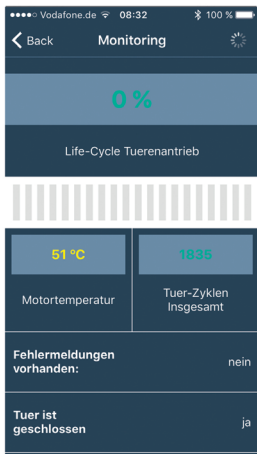
The wireless (Bluetooth) connection is initiated by pressing a button on the controller. After a certain period of inactivity, the connection is discontinued and a corresponding message sent to the user.

Once the Bluetooth connection has been initiated, it is no longer necessary for the technician to remain on the car roof; both commissioning and all additional settings can be performed either in the car or in front of the landing door.

Thanks to the app, the commissioning process is now fully unproblematic.

The QR code is placed at two different points on the transom and is scanned through the viewfinder of the camera. The data from the QR code is then transferred to the con-

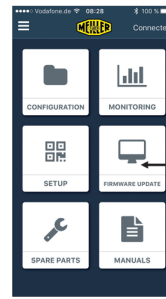
Example of possible displayed data:



This example makes no claim to completeness!

Too many FingerGuard emergency stops	
MiDrive Version	Standard
Firmware version, main board	1.0.1
Firmware version, IO board	1.0.2
Firmware version, motor	1.0
Serial number, controller	123456789
Serial number, motor	123456789
Serial number, motor[1...]	123456789
Connected via CANopen	YES
Storey [only with CANopen]	1
Door opening time in msec	3000
Door closing time in msec	4000
Second door width active in mm	900
Storey [only with CANopen]	2
Door opening time in msec	2800
Door closing time in msec	4100
Door REVERSES in CLOSE direction	2

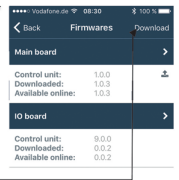
Updating the controller firmware



In order to perform an update, the app must be connected to a controller.

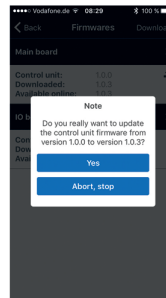
If the latest firmware has not yet been obtained from the MEILLER update server, the download can be initiated here.

Please observe both the advice text accompanying the update and the change log, which gives information on any new features included in the update.



The update may take several minutes, depending on the performance and functional scope of the smartphone used.

While an update is being performed, the controller is not operational.



troller, and the learning cycle commences. Once the learning cycle has completed, the entire commissioning process is finished.

The app also contains the relevant operating, installation and settings guides. The latest installed versions are also available offline. This means that all installation and settings documents can be viewed in the lift shaft, where Internet connections are frequently unstable.

Settings are also configured with the aid of the app. The data from the controller is retrieved, modified using the app, and then fed back to the controller. To make an external backup of specific data, configuration files can be sent by e-mail, and read back into the system as and when necessary.

The monitoring function makes a wide range of information available to the user, including the number of door drive cycles, motor temperature, life cycle of the door drive, controller type and firmware version, motor type and firmware version, warnings, etc.

The new app also supports the customer in service and spare parts logistics. All the door data is recorded by scanning the QR code through the camera viewfinder. The user can then photograph the respective part and create a corresponding user note. An enquiry can then be sent to Meiller (incl. any stated cc contacts).

Upon request by the user, a check can be made to see if a firmware update is available for the controller. If this is the case, the user can decide to download the firmware file from the server and install it to the controller.

The process of digitalisation is progressing at an increasing rate, and the Munich company is part of this change process. This is what has led to the development of the new MiDrive twinCAN door drive.

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