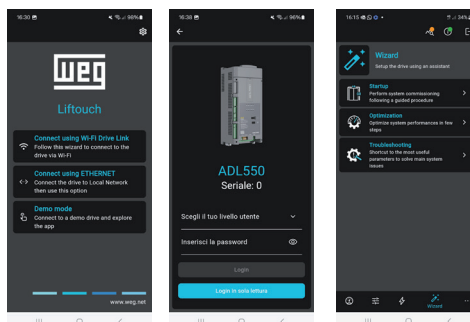# Instruction manual

Wi-Fi Drive Link + WEG Liftouch
External module Wi-Fi + APP

Download the PDF manual

Introduction

Wi-Fi Drive Link is the optional external module (cod. S52969WF) for wireless communication between the ADL530 series / ADL550 drives and devices such as smartphones, tablets or PCs via the WEG Liftouch App and the WEG DriveLabs configurator.

WEG Liftouch is the full responsive App, compatible with all operating systems on smartphones, tablets and PCs that allows you to always keep under control the state of the drive with the simplicity and intuitiveness of a common mobile app.

The **WEG Liftouch APP** can be downloaded free of charge using the following direct links (frame QR code and follow the procedure).

Secure communication guaranteed by 4 different access profiles, each protected by password.

FW / SW compatibility

Fw ADL500	Wi-Fi Drive Link SW*
1.0.2	Not available
2.0.0	0.1.4
2.1.1 and above	0.1.5 and above

* See top side label

From the version FW 2.5.10 ADL500 is associated with Wi-Fi Drive Link SW 1.1.0 and it's possible to connectda wifi WEG DriveLabs by Wi-Fi.

Disclaimer

Before using the product, read carefully the chapter on safety instructions in the ADL500 HW+QS (Hardware and Quick Start Guide) manual.


WARNING! Drives cause mechanical movements. The user is responsible for ensuring that these mechanical movements do not result in insecurity. The manufacturer's safety locks and operating limits shall not be bypassed or modified.

This product is designed for connection and transmission of data via a network interface.

The security and protection of the connection between the product and the Customer's network, or any other network, are the sole responsibility of the Customer. The customer is required to implement and maintain adequate measures (firewall installation, authentication measures, data encryption, anti-virus programs and so on) to protect the product, network, computer system and interface from security breaches, unauthorized access, intrusion, data leakage and/or data and information theft. WEG Automation Europe Srl accepts no responsibility for any damage and/or loss caused by security breaches, unauthorized access, intrusions, data leaks and/or theft of data and information.

1. Wi-Fi Drive Link

1.1 Fastening of the module
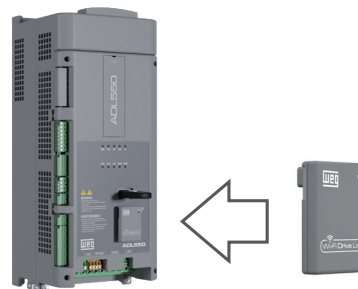
1. Remove the rubber protection;
2. Insert the Wi-Fi module into the female connector 🛜 on the front of the drives.
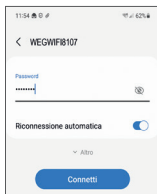
1.2 Module installation (only available on models ADL530 and ADL550)

1. Detect the Wi-Fi Drive Link network within the Wi-Fi networks of the mobile device (by default, the Wi-Fi network name is WEGWIFIXXXX" where "XXXX" are the last 4 digits of the S/N of the module (see label on the back of the device).

2. Enter the password (factory = weg_ admin).
3. Click on «Connect».

4. If you are prompted to maintain the connection despite the absence of internet network select "Keep Wi-Fi Connection".

1.3 Meaning of the Led

The "COM" led on the front of the device provides information on the status of communication.

| LED colour	Meaning
Red (fixed)	Wi-Fi powered, connection not available.
Green (fixed)	Wi-Fi powered and ready, available for connection.
Blue (fixed)	One or more devices connected to Wi-Fi, no data transfer in progress.
Blue and green (flashing lights)	One or more devices connected to Wi-Fi, data transfer in progress.
Unlit	Not powered module or fw version not compatible with the fw version of the drive. Please contact WEG Automation Europe Technical Support.

1.4 WEG Liftouch Landing Page

Once connected to the Wi-Fi Drive Link module (section 1.2) by typing 192.168.4.1 in your browser you can access the web page dedicated to the APP WEG Liftouch (https://www.weg.net/liftouch) where there are also direct links for downloading the APP.

1.5 WiFi network name and login credentials

To change the network name and/or password of the Wi-Fi module, or to restore the module to factory settings, connect to the module's network from a mobile phone or PC and type in the address http://192.168.4.1/WIFI.
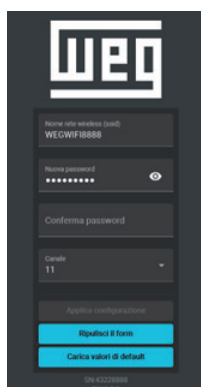
Alternatively, using the WEG Liftouch APP, this operation can be carried out by selecting the **WI-FI DRIVE LINK SETTINGS** button on the confirmation screen that the Wi-Fi connection between the module and the device (smartphone or other) has been successful.
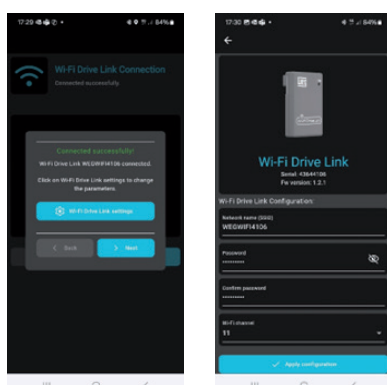
If you lose your password (you can see the name of the network by scanning the wifi devices in the area) you can retrieve it via WEG DriveLabs in expert mode by reading parameter 9536 **WIFI Network Pass**. The name of the Wi-Fi network is stored in parameter 9528 **WIFI Network Name**.

2. App WEG Liftouch

2.1 System requirements

Below are the minimum compatibility requirements:

- For **iPhone/iPad**: iOS 12.0 or later.
- For **Mac**: MacOs 11.0 or later and Mac with Apple M1 chip or later versions.
- For **Android devices**: Android 6 or later.
- For **Windows devices**: Windows 10 or later.
- For **mobile devices**: recommended minimum display size 5.5" with Full HD resolution.
- For **desktop devices**: 1024x768 px minimum resolution recommended.

2.2 Connection with the drive

The connection with the App can be made in 2 ways:

1. **Wired connection via ETHERNET cable:**
   - Open the APP, select "Connect via ETHERNET" and follow the wizard.
   - Select "New Ethernet Connection" and enter the connection name (optional) and IP address of the drive.
2. **Wireless connection via Wi-Fi Drive Link:**
   - Open the APP, select "Connect using Wi-Fi Drive Link" and follow the wizard.
   - Select "Connect new Wi-Fi Drive Link", enter the Wi-Fi module, wait for the green LED to light up and type the network name and password (see section 1.2).
   - The led of the module turns blue and a pop-up appears of "successful connection" in which you can also enter in the "Wi-Fi Drive Link setting" to customize "network name", "password" and "Wi-Fi channel".*

The complete procedure is required only at the first connection. The connection is automatically stored on the device for later quick use.

The connection can be deleted at any time directly from the menu with the list of connections stored on the device.

Changing the channel is recommended only for experienced users and may be necessary in case of environments that are very disturbed by other Wi-Fi connections.

2.3 Login page
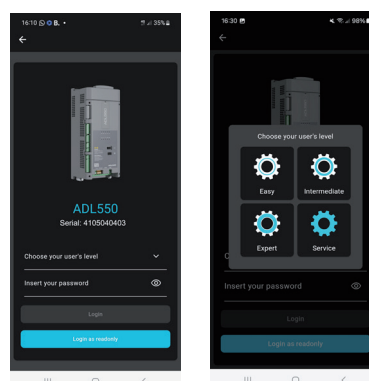
The first page that is loaded is the login page.

To access it is necessary to select the desired or granted access level (Easy, Intermediate, Expert, Support) and enter the related password.

You can also log in without a password in read-only mode by clicking the "Login as read-only" button.

Alternatively there is also the demo possibility that simulates the connection to a drive.
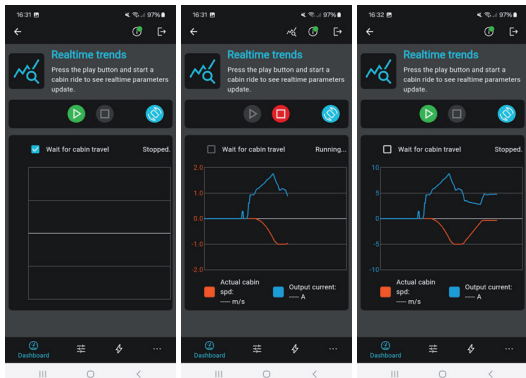
2.4 Dashboard

Through the main page you can access all the features of the App:

- **General info:** drive with model, SN, FW version and application, power size, Power supply voltage and current nominal.
- **Overview:** real time display of the motor current, of the speed of the cab and key drive parameters.
- **Real-time trends:** visualisation on a graph of the main trends drive variables.
- **I/O status:** status of drive inputs and outputs.

- **Lift status:** displaying diagnostic variables on the state of the elevator.
- **Alarms:** access to current alarms and alarm history visualization of the main variables of **EFC applications, DS417 and EPC**.

At the top right is a button that gives a general overview of the drive status: Drive Info. This icon indicates the current state of the drive [Disabled (yellow), Enabled (green) or Alarm (red)]. When the icon is red, a window opens showing the current alarms and the history. Clicking on "Reset" you can reset any returned alarms.

2.5 Realtime trends

In this dashboard you can monitor in real time the main variables of the drive: **current cabin speed and output current**.

Depending on the status of the flag "wait for the cabin" there are 2 different readings:
- **flag on**: the trend of the last variable is displayed run carried out;
- **flag off**: the trend of the variables is displayed so continuous in the last 60 seconds.

2.6 Parameters
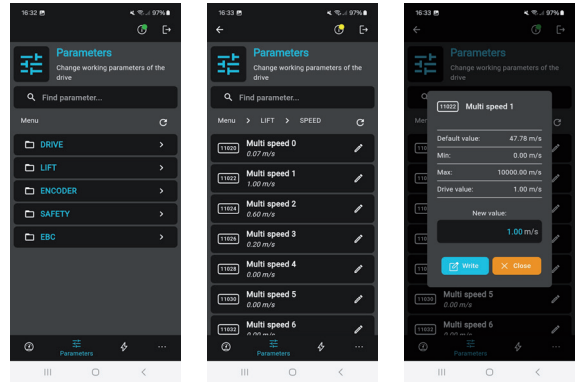
Through the **Parameters** page you can view all the parameters of the drive.

The value of the displayed parameters is updated in 3 situations:
- When entering the corresponding menu
- Pressing on "Refresh"
- After writing a parameter of the same menu.

To write the value of a parameter you need:
- Click on the parameter to enter the editing page
- If the parameter is writable, type the new value in the "New value" box and press "Write".

You can search for a parameter by typing the IPA (parameter number) or part of the name in the search box.
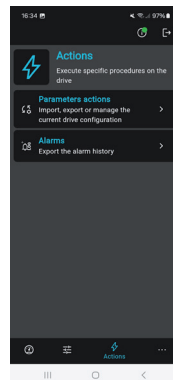
NOTE! Parameter value color:
If the parameter color is orange it means that it has been changed (that is written) but not yet saved.

NOTE! For a correct reading of the parameter it is enough to re-enter in the menu where parameter is contained or make a "refresh".

2.7 Actions

Through the **Actions** page you can:

1. Import/export a parameter file.
2. Download the alarm history.
3. Load a new firmware.
4. Restart the drive, return to factory parameters, save drive parameters.

NOTE! The import/export of a parameter file writes/reads all the parameters of the drive and may take a few minutes to complete, depending on the speed of the connection.
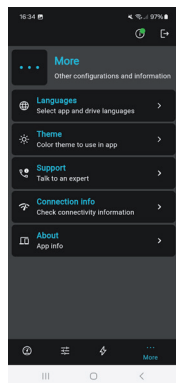
2.8 Wizard
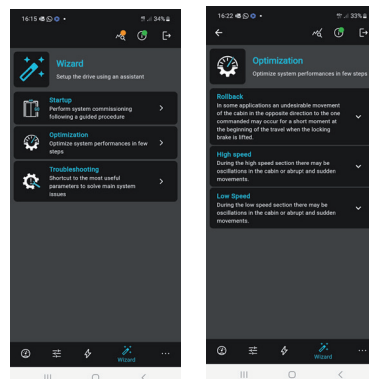
In the **Wizard** page you can access the different wizards of the drive.

Currently available are:

1. Startup wizard
2. Optimization wizard
3. Troubleshooting

2.9 More

On the **More** page you can access:

- **Account settings**: changing the login password for the login;
- **Languages**: select the desired language either for the APP and for the drive;
- **Theme**: Select the desired colour of the app between "Dark" and "Light" or "System"
- **Support**: list of all useful contacts for support, customer service and direct links to product documentation
- **Connection Info**: Goodness Overview of data connection
- **General information** on APP.
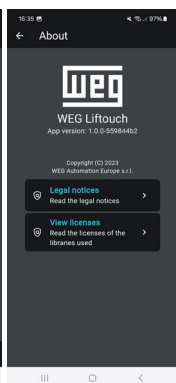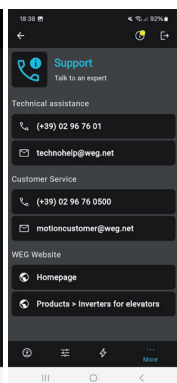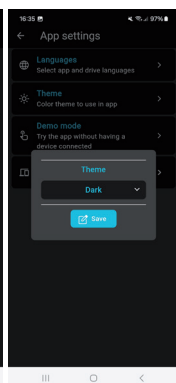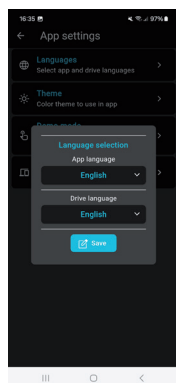
Error messages

| Error Type	Messagge	Solution
Connection	The device is not reachable.	Check the network connection.
	The device has not been recognized.	Check if the drive contains compatible and valid firmware.
	There are too many active sessions on the device you want to connect to.	Delete active sessions.
	The connection closed unexpectedly.	Try reconnecting and if the problem persists, check the connection quality.
	The operation required is longer than expected.	Check for network problems or malfunction on the drive.
	Could not connect to the device.	Check the address you entered and verify that you are connected to the correct network.
	It was not possible to communicate with Wi-Fi Drive Link.	Check that the LED is on.
	Wi-Fi Drive Link could not be found.	Check your network name settings and password.
	Unknown error.	Contact support.

Error Type	Messagge	Solution
Parameter Management	The parameter is wrong.	Look for the correct parameter.
	You do not have the rights to write to the drive.	Request rights.
	Parameter input error.	Too many bits entered.
		Enter a binary value.
		Enter a hex value.
		Enter a numeric value.
		Enter a positive value.
		Enter a maximum of 15 characters.
		Enter a valid IP.
		The value is above the maximum allowed.
		The value is below the minimum allowed.
	Parameter import error.	Retry by connecting again.
	Parameter write error.	The value is above the maximum allowed.
		The value is below the minimum allowed.
		The parameter does not fall within the permitted set.
		The parameter is readonly.
		Disable the drive to write the parameter.
Configuration	Incompatible drive.	Configure compatible drive.
	Incompatible firmware version.	Configure compatible firmware version.
	Incompatible different application.	Configure compatible application version.
	Incompatible application version.	Configure compatible application version.
	APP Liftouch not updated.	Update APP Liftouch.
	The configuration provided may not be fully compatible with the drive used.	Proceed carefully or provide a compatible configuration.
More	The descriptor inside the drive is invalid.	Please update the drive correctly.
	Operation deleted by user.	Perform a new operation.
	The file used is corrupt.	Use a not corrupt file.
	Error visible only on Windows: an application instance is already running.	Close the open instance or proceed with it.

3. Wireless connection via WEG DriveLabs

The new **WEG DriveLabs** configurator for PC, available only for Windows operating system, is suitable for connectivity via both EtherNet cable and Wi-Fi.
To connect via Wi-Fi, it is necessary to install the Wi-Fi module on the drive and proceed with the following steps:
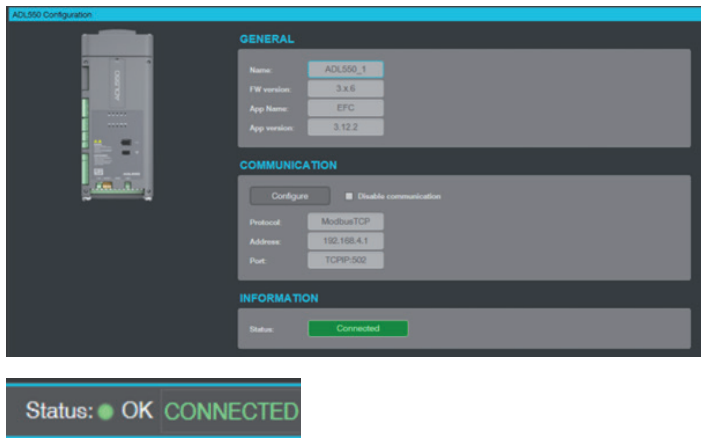
1. Using your PC, follow the connection instructions in chapter.

2. Open the WEG DriveLabs configurator and enter the following IP in the main screen 192.168.4.1 in the **START IP** field. Then click on the **START SCAN** button.
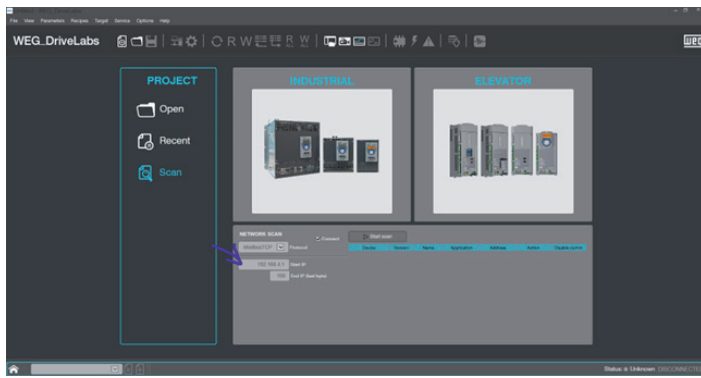
3. Once you have found the drive, click on the ADD button.

4. On the next screen you will see confirmation that the connection was successful.


Alternatively, after connecting to the **Wi-Fi network**:

1. Open the WEG DriveLabs configurator and select the desired product family (INDUSTRIAL or ELEVATOR).
2. Then select the desired product model and its SW version. If all selections are correct, click on the add button and confirm with OK in the next pop-up screen to add the selected drive to the current work project.
3. In the next screen, click on the **CONFIGURE** button in the **COMMUNICATION** section.
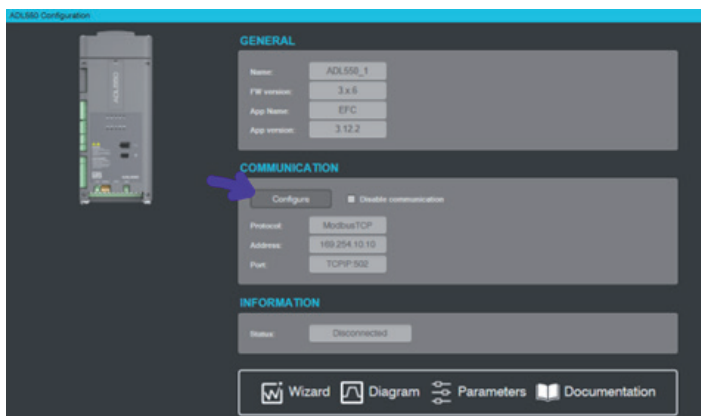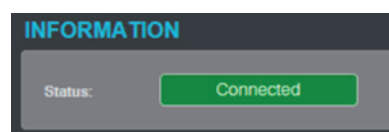

4. In the pop-up screen click on the **PROPERTIES** button.
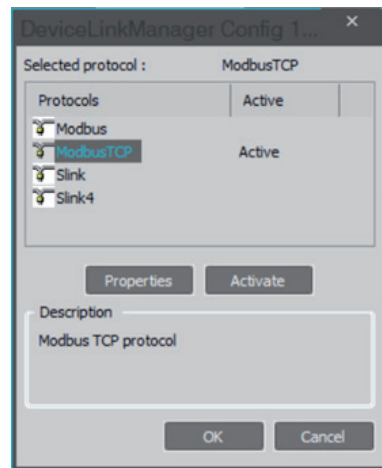
5. In the next screen, enter the address 192.168.4.1 in the **IP or hostname** box and press **OK** in this screen and in the next one.
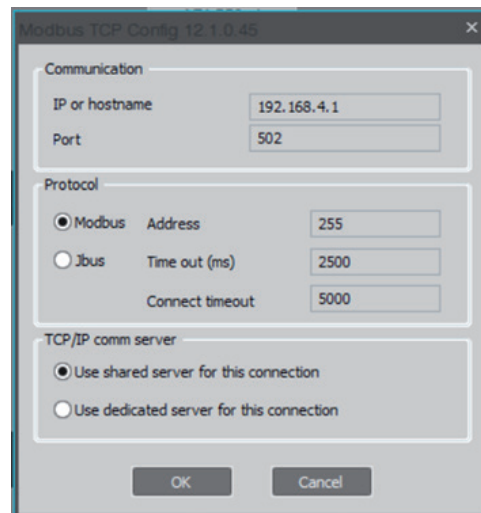
6. Now click on the CONNECT button in the status bar and check that the status of the drive has changed to CONNECTED.

In the new connection screen that appears in WEG DriveLabs press the **Configuration** button and, in the ModbusTCP submenu, press the **Properties** button and then enter the **IP address** of the Wi-Fi module which is 192.168.4.1 by default in the IP address press **OK** to enter the new addresses and then, if it doesn't connect directly, press the **Connect** icon.

The module LED turns blue and the message appears at the bottom right of the WEG DriveLabs screen.

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