

# maveo scanner

## Complete Manual

### Before you start

Find a suitable location on the outside wall of your garage to mount the maveo scanner. Pay attention to the following criteria:

- Your parcel delivery people must have free access to the maveo scanner. For example, there should be no yard gate blocking the way; ideally, the garage should be as easy to find as your front door. Otherwise, make sure that the parcel deliverers can easily find their way there by making notes, either with specially made notices or notices in the drop-off location.
- The maveo scanner or the enclosed signs must also be visible for the parcel deliverers, so that they understand how to use the maveo scanner. Stick the signs visibly on your doorbell and garage.
- Check the required cable lengths before installing the maveo scanner. The maveo box only needs a power connection in the garage and should be placed within the Bluetooth® range, i.e. maximum 10 meters away from the garage door openers. If this location is too far from the desired mounting location of the maveo scanner, you can extend the distance to the maveo box using an ordinary USB extension cable. The maveo scanner is mounted on the outside of your garage and is plugged into the maveo box with a USB cable. Before you drill the cable hole, make sure that you can run the cable past the door construction.
- Make sure that your garage is suitable to drill a hole of 11 mm and 2 holes of 6 mm and 3 cm depth.
  - Alternatively, you can look for other suitable places, for example, you can also take the metal profile of your door construction. For this you do not have to drill a hole in the wall of the garage, but only through a thin sheet. However, make sure that you have the appropriate mounting material for screws to be able to place the maveo scanner on a metal surface. You should also make sure that no damage can occur to the USB cable.
- Your garage needs stable Wi-Fi reception so that your smartphone can communicate with the maveo box at all times. Check the Wi-Fi reception with your smartphone: If your smartphone shows you at least 2 out of 3 bars, there is sufficient reception.

In addition, check whether video streaming works, for example. This is best done when you are standing in your garage and it is closed. What can you do if your reception is not sufficient?

- A Wi-Fi repeater between your router and the maveo box increases the transmission power. Please make sure to give your repeater a separate SSID and only connect the maveo box to the repeater's network.
- With the help of a USB-to-LAN adapter, you can connect the maveo box directly to the router, there is hardly a more stable connection. Often, the air vents in your garage are suitable, but please note that the Ethernet cable must be suitable for underground or outdoor installation.
- Make sure that the maveo app has all necessary permissions in the settings. It needs permission to always poll location, use Bluetooth®, search for devices on the network and send messages for full functionality.

## What else your garage needs

- Your garage door system needs at least one photocell. In addition, the automatic shutdown after force measurement of your opener should be set correctly. As the owner of this system, you are solely responsible for ensuring that your door system complies with the important standards when commissioning or operating the maveo scanner. Depending on the type of system, you may require additional safety accessories. This is usually the standard DIN EN 13241-1. You operate the door system with the maveo scanner in the automatic mode. Untrained persons have contact with your garage through the parcel delivery service. In case of doubt, contact an installation professional or obtain information from experts.
- You should have installed the maveo box before you start to install the maveo scanner. Refer to the manual of the maveo box or the support page of the maveo box. Controlling the door via the maveo box is much more performant if you set up a cloud account for it. Your smartphone should be in the same Wi-Fi as you want to set up the maveo box.
- Your garage door opener should not be programmed to automatically open. After the parcel deliverers scan a package, the door opens and closes automatically after 30 seconds. Therefore, your door should not interrupt this cycle and close by itself even before that.

## Mounting

1. Outside your garage, sketch the hole for the through-hole and the two small holes for the dowels and screws of the mounting material. Use the mounting plate as a template. Be careful not to damage the rails or other door components when drilling, also pay attention to electrical devices and cables. We recommend that you mount the maveo scanner at a height between 1 m and 1.5 m high, so that the parcel deliverers can scan every possible parcel size below the maveo scanner.
2. Drill the hole of the through-hole with a drill bit larger than or equal to 11 mm. You should drill this from the outside to the inside to avoid possible damage to the outside of your garage.
3. Now you can drill the two other holes that are intended for the fastening material. These must also be drilled on the outside of the garage. These should be drilled about 3cm deep, make sure that the garage wall is deep enough for this.
4. Now insert the dowels.
5. Mount the mounting plate with the screws.
6. Now you can take the maveo scanner. Wrap the scanner's USB-C cable in foil for a short time to prevent it from being damaged by the dust in the hole. Feed the cable completely through the wall and

place the maveo scanner on the mounting material. **ATTENTION:** Once attached, the maveo scanner is difficult to remove, so check the mounting plate early to make sure it is straight.

7. If you want to disassemble the maveo scanner again, it is necessary to use a flat, elongated object as a lever.
8. Plug the USB-A to USB-C adapter onto the cable of the maveo scanner.
9. Open the maveo app.
10. Plug the cable of the maveo scanner into the maveo box.
11. In the maveo app, the maveo scanner is automatically detected and ready to use. Follow the further instructions.

## Test

Test the maveo scanner once. QR and barcodes are compatible. Simply create a new delivery in the maveo app.

1. Initially you have to select an opener, more precisely a maveo stick, which should open the door upon delivery.
2. As „shipment number“ you can take any code you have available, just try it with the barcode on the packaging of the maveo scanner or other items.
3. You still have to assign a name, but you can choose it freely. For this test you can use e.g. „Test“, for real deliveries you just name them in a way that the name of the shipment describes the package best to keep it clearer for you.
4. Now you have to choose which of the smartphones connected to the maveo box should receive a message.
5. In the last step, you need to specify a time slot. That will ensure that the maveo scanner will only open when this delivery is actually expected. In this test you can simply select today's date, but for real deliveries you should keep an eye on the parcel service providers, they usually tell you the delivery date.
6. Save the delivery.
7. Now a pop-up appears, which offers you a text template. In case of a real delivery, you can enter this text in the storage location of the parcel service provider. For this test you can skip this step.
8. Now hold the code to be tested under the maveo scanner. The code should have a distance between ten and 30 cm.
  - The maveo scanner will light up green for a short time if the scan was successful.
  - The maveo scanner briefly lights up red if the code was entered incorrectly.
  - If your maveo scanner is constantly red, it is not ready for use. In this case it helps to unplug the scanner from the maveo box and plug it in again. No data or deliveries will be lost. If you operate the maveo scanner via a USB hub, it

is possible that the hub is unreliable or has a limited temperature range.

9. The garage door will now open and close automatically.
10. Attach the signs to the front door and garage.

## What to do now?

The next thing you can do is to take care of the parcels and orders.

To do this, set up a storage contract with your known parcel service providers. This is necessary for the parcel delivery service to be allowed to enter your garage. You can do this on the websites of the parcel service providers, usually you need an account for this. Here you can also permanently specify a storage location for your orders. The parcel deliverers read this location on the handheld and know where to enter the text. It is best to use this text: „Please place my delivery in the garage. Use the scanner attached to the garage for this: hold the package under the scanner; the door will then open and close automatically.“

It is advisable to talk to your parcel deliverers about this use case when you get a chance. Explain to them how they need to hold the parcels under the maveo scanner - and that the door will close again automatically. It's best to show them an exact drop-off location, for example away from your car.

Now you can order online and have packages delivered to your garage. Once you receive shipping confirmations, you can copy the tracking numbers, add a new expected deliveries in the maveo app, and paste those numbers. Also, pay attention to the expected delivery date indicated.

## What do the colors of the maveo scanner mean?

- If the maveo scanner is blue, everything is fine and the scanner is waiting for your orders.
- The maveo scanner lights up green for a short time when a scan was successful.
- The maveo scanner will light up red for a short time if a code was entered incorrectly or was not recognized.
- If your maveo scanner is constantly red, it is not ready for use. In this case it helps to unplug the scanner from the maveo box and plug it in again. No data or deliveries will be lost. If you operate the maveo scanner via a USB hub, it may work unreliably or possibly have a limited temperature range.

## Monitoring

If you want to monitor your garage, we recommend IP cameras, which are available at low prices starting from 20 €.

One example is the „C100“ offered by TP Link. Here you can store up to 128 GB of video material on your SD card and also display a live image of the garage via the manufacturer's mobile app. This is especially useful if you want to check the proper delivery.

Another example is the surveillance camera from Victure. For this model, you don't even need a free power outlet in the garage. With a simple USB-HUB (a 4-slot connection is recommended) you can make four USB-slots out of the one USB-slot of the maveo box: One of them is used for the maveo scanner, another one as power supply for the camera. This principle works for any other IP camera that also has a USB connector. The important thing is that the camera should be learned into your WLAN network.

These cameras are not compatible with the maveo system itself, you have to use the corresponding apps of the camera manufacturer according to the scope of delivery.