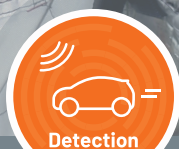


# traffic light REPORT

Magazine for traffic engineering

KEEP YOUR  
DISTANCE!

EVEN THOUGH  
IT'S HARD TO DO!



CONTENTS & EDITORIAL 2

PLEASE WAIT - IT WILL BE WORTH IT! 3

LOOK BUT DON'T TOUCH! 4-5

DIGITAL SUPPORT - THE PERFECT GUIDE 6-7

PARK AND FLY 8-9

MOTORWORLD COLOGNE-RHINELAND 10

CASHLESS PARKING 11

ODDS & ENDS 12



## EDITORIAL

Dear readers,

Changed times call for changed ways of thinking. Challenges must be faced together. We need to maintain physical distancing without losing connections. Solidarity and empathy are trending right now. We can overcome the current situation by working together.

The German economy has an international focus, which means there are no alternatives to globalization. But now, more than ever, we need to be responsible about how we do business – Germany can only continue to flourish if other countries are doing well also.

The mobility sector has a very special role to play in this context. Our job is to connect people and we must be smart about how we proceed. And that's exactly what we're doing at RTB – with new products, a new website, and a new slogan that fits perfectly with the times we're living in: AUTHENTIC PEOPLE. RELIABLE PRODUCTS.

We look forward to further discussions with you.

  
Marc Rummeny



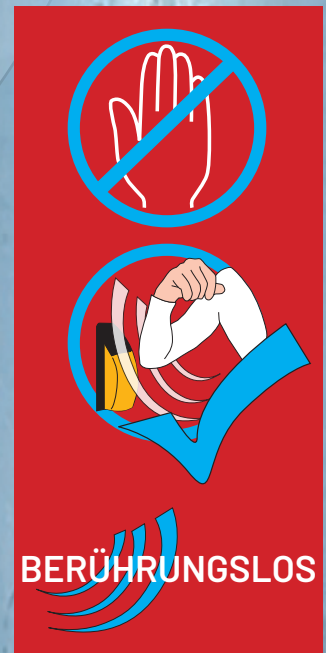
# Please wait – it will be worth it!

**At some traffic lights – in particular those used abroad – pedestrians only have a small button to press for crossing. Push buttons with large surfaces, such as those offered by RTB, are still the exception. However, we're experiencing very strong international demand right now.**

These days, both mechanical and sensor-operated push buttons with large surfaces are used worldwide and enjoy great popularity. Their availability is particularly important at a time when hygiene standards are becoming ever-more relevant. All of RTB's large push buttons also work when touched by the elbow, knee, or other clothed part of the body.

The German city of Mönchengladbach came to RTB with a concept that highlights this key benefit of our push buttons. The idea was to produce special stickers to be attached directly to the push buttons themselves or to the traffic light masts to clearly indicate that it is not necessary to touch the buttons with the palm or a finger.

But there's also another way to achieve the same result – without even touching a button! Read on to find out more.



# LOOK, BUT DON'T TOUCH



Right now, the world is changing at a pace that couldn't have been imagined until recently. Rather than impacting particular countries or individual branches of the economy, these changes affect each and every one of us. "Keep your distance" is the new mantra as we seek to maintain social distancing. RTB is certainly succeeding in putting some distance between itself and its competitors by presenting innovative new traffic light technology.

Digitization plays a particular role here too. The trend is already firmly established in the area of traffic technology, and this trend is increasing all the time. Against this backdrop, RTB has developed an innovative contactless push button for pedestrians. In addition to growing demand from the Asian market, this innovation also came about because some people have always felt uneasy about touching surfaces and objects for public use.

And now, completely new hygiene concepts are required in all areas of life. Currently, all sectors of public life as well as local and long-distance transport are working on contactless and automated solutions. Overhead stowage bins on airplanes, which open automatically or without having to be touched, are just one example of such solutions. In principle, new standards must apply in all places that experience a high volume of traffic.

RTB is leading the way once again with its contactless push button. After all, traffic lights

should comply with the same hygiene standards that apply to public spaces in general. What sets this new push button apart is the fact that it can "observe" its environment. It can also detect, within a certain range, whether a person is waiting to cross. The green-phase request is then initiated individually.

Independent studies of road-use behavior indicate that traffic light push buttons are, in principle, the right approach to take to improve safety going forward. It has been shown that the number of people crossing on a red light (or "jaywalking") is reduced when pedestrians feel they are being addressed directly with a "Please wait" message from an installation that appears to have been put in place specifically for them.

The visual acknowledgment can also be enhanced thanks to the modular design of the push button. Optional LED strips at the sides make it easier for visually impaired road users to locate the button. These are also designed to provide children with additional encouragement to use the button. The redesign of the color was another important consideration for this reason.

Important information: For blind users, the push button will still have a button on the underside that provides directional arrows and vibrates when the light turns green. However, a contactless option is also available to these users in the form of the LOC.id solution.



ase  
it

!



Please  
wait

Please  
wait

Sometimes it's hard to not touch.  
We have the solution.

**DO NOT TOUCH!**

CONTACTLESS PUSH BUTTON FROM RTB  
WITH A MODULAR DESIGN

Available in Fall 2020!







# Digital Support – the perfect guide



Many blind pedestrians are out and about on Germany's streets every day. They need safe signals to help them find their way around in public spaces. With LOC.id, RTB has developed a system that provides them with perfect support as they go about their daily lives.

This Bluetooth-based app functions as a transmitter and receiver. If the user approaches a traffic light system that is equipped with a receiver, the pedestrian is detected and a raised acoustic signal is emitted as a navigational guide. Once the user is right next to the traffic signals and once the user leaves the intersection, the volume drops back down to the normal level. The green phase can be requested automatically and the system still issues an acoustic signal indicating that it is safe for the pedestrian to walk. As the green phase for crossing may be very short in some cases, the LOC.id app can be used to extend it. Extending the amount of time is a good solution for the elderly or physically disabled, so that they can cross the street in comfort.



Please  
wait



Our new touchless button brings digitization to the next level:

SPOT ON!

NO CONTACT NECESSARY

UPGRADABLE, FOR EXAMPLE WITH WIDE LED STRIP

By the way, it's scientifically proven: Buttons on traffic light systems are essential in preventing pedestrians from running red lights.

Available in Fall 2020!

Another area of application for this technology is in local public transportation, where it can be used to enable user-oriented output of verbal announcements. In another future enhancement of this already successful system, users will be able to use the LOC.id app to hear the name of the street they are crossing, before an acoustic signal is emitted to indicate that it is safe to walk. This will make it even easier for users to navigate large, busy intersections in particular. A handheld transmitter can also be used as an alternative to the app version.

In this way, the LOC.id system provides a simple way for blind and visually impaired pedestrians to request a green phase to cross without having to touch a button. Independently of this benefit, RTB push buttons still comply with the application standard, which states that a vibrating magnet with directional arrows must be located on the underside.

Smartphones are already an indispensable and constant companion for most people. And changing circumstances are making them even more important. They can be used, for example, to send admittance numbers for transportation digitally and directly or to make cash payments largely unnecessary. The use of mobile devices allows individuals with limited mobility in particular to find their way around more efficiently and safely in public spaces as the digitization of traffic technology is currently gathering speed. LOC.id is part of this movement and will always be up to date with future requirements.





# PARK and FLY

## RTB is installing technology in parking

**In the future, mobility will be subject to diverse requirements. The goal is to achieve ecological balance and viable systems of transportation.**

Parking space concepts have an increasingly important role to play in this context. These are ecologically responsible because they reduce time spent in traffic searching for parking, but also service-oriented because they enable fast, direct location of spaces. Efficient parking is increasingly becoming a luxury good, with time and space being the key concepts. Drivers need to find the best parking space for their requirements as quickly as possible. Parking at airports is becoming hugely important. International hubs like Frankfurt Airport are therefore using innovative concepts.

RTB, in collaboration with our partner Goldbeck, scored top marks and won the contract to fit out a parking garage at the airport. This is a special kind of project, distinguished by a high level of exper-

tise and challenging tasks. The project is already a lot of fun, thanks to our direct exchange of ideas with Fraport experts, as well as a great deal of expertise and enthusiasm in the parking sector.

RTB's LOBO system is being used at the site of the project. This system is built around a single parking space detection facility that makes it easier than ever to locate free parking spaces.

This is made possible by using an infrared parking sensor and multicolored LED for every parking space. The system is enhanced with numerical displays, which allow for flexible design, and zone displays based on LED technology. Innovative displays in the area of e-mobility complete this ambitious concept. This exciting project presents a unique range of possibilities.





g garages at European airports



## Motorworld Köln

Butzweilerstrasse 35-39,  
50829 Cologne, Germany

Opening hours:

Mon – Sat 7.30 am – 8 pm,

Sun 10 am – 8 pm

Free entry

<https://motorworld.de/en/>

# Motorworld Cologne-Rhineworld

A fascinating permanent exhibition about Michael Schumacher

## Michael Schumacher

- Born January 3, 1969 in Hürth
- The most successful driver in Formula 1 history
- F1 debut in 1991 on the Jordan team, before switching to Benetton and then to Ferrari (1996 – 2006)
- Return to Formula 1 on the Mercedes team (2010 – 2013)
- Took part in 307 Formula 1 Grand Prix races
- Won 7 World Championships
- 91 race wins
- 155 podium places
- 77 fastest laps
- In medical rehabilitation following a serious skiing accident in December 2013

Visitors to Motorworld Cologne can look forward to experiencing the world of motoring passion in all its facets. In June 2018, the former Butzweilerhof airport in Cologne became the tenth Motorworld location to open since the concept was first created, and it has a unique offering to attract visitors.

Motorworld Cologne-Rhineland has quickly made a name for itself as a service center for classic cars and collectible vehicles. Its main areas of activity are retail, storage, workshops, and the sales of accessories.

It also boasts a special attraction in the form of a permanent exhibition entitled "Michael Schumacher Private Collection", which is one of the most significant motorsports collections in the world.





The coin pictured is a Greek drachma dating from 200 BC. Coins have been around since time immemorial – perhaps now it's time they were relegated to the museum!



Coins are becoming  
a thing of the past

# Cashless Parking

The trend is clear and irreversible – people are increasingly moving away from cash and towards more modern payment methods. And we, as a manufacturer of parking ticket machines, need to respond. RTB has now created the first prototype for a cashless ticket machine.

Coins are becoming a thing of the past – card and cell phone payments are the way forward. By now, most people have become accustomed to carrying very little cash with them when they go to service stations, restaurants, and shops. Almost all of these businesses are becoming increasingly keen to offer a cashless payment option.

The situation is completely different in many parking lots and parking garages, where cash is often still king. However, RTB is now presenting a forward-looking solution with our new parking ticket machine – demonstrating that things can be done differently.

We'd love to hear your opinion on this. Do you think the time is now ripe to move to cashless payments? We look forward to any feedback and suggestions you may have! Please contact us at [sales@rtb-bl.de](mailto:sales@rtb-bl.de)!



# Authentic people. Reliable products.

RTB makes a fresh start with a new slogan and website

Now is the time for brave decisions and hope in a bright future, which is why RTB has repositioned its brand. Our slogan "Authentic people. Reliable products." describes what really sets our company apart. Our new website confidently projects our identity for all to see.

We are known for prioritizing user-friendly products, quality, and design. We combine these characteristics with a company philosophy that places people center-stage. Check out our new website, which unites contemporary design and comprehensive information.

We look forward to your visit!

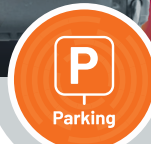
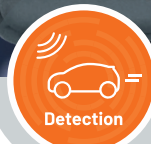
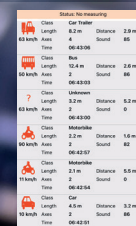
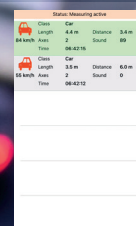
[www.rtb safetraffic.com](http://www.rtb safetraffic.com)

[www.rtb-bl.de](http://www.rtb-bl.de)

## TOP0.app

We've reached another important milestone with our TOP0 system – the unique and increasingly popular solution for precise traffic data entry.

The TOP0.app can be used to put the systems into operation and calibrate them directly on-site. The theft warning function can also be activated and deactivated with the TOP0 app. This makes TOP0 systems even easier and faster to install.



### Production

Machradt Graphischer Betrieb KG, Bad Lippspringe

### Edition

HACK PR- und Werbeagentur GmbH, Paderborn  
Tanja Lauenstein, RTB GmbH & Co. KG,  
Bad Lippspringe

### Publisher

RTB GmbH & Co. KG, Geschäftsführer Rudolf Broer  
Schulze-Delitzsch-Weg 10, 33175 Bad Lippspringe  
Tel. 0049 5252 9706-0, Fax 0049 5252 9706-10  
E-Mail: [info@rtb-bl.de](mailto:info@rtb-bl.de), [www.rtb-bl.de](http://www.rtb-bl.de)