

ORIENTATION. GUIDANCE. PROTECTION.



RTB
Audible Signal
Transmitters

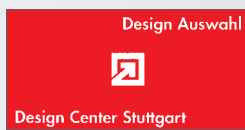


RESPONSIBILITY AND SELF-DETERMINATION

Persons with handicaps, and especially blind and low vision persons, want to and can participate in our society. Just as much or even more so than for every other citizen, mobility plays an essential role for this group. The natural limitations which accompany blindness and low vision can be reduced with the aid of intelligent technology. This technology is particularly helpful when it comes to crossing streets.

Verena Bentele, who has won several medals in Biathlon and cross-country skiing at the Paralympics, is an excellent example of the potential in persons with blindness or low vision. Ms. Bentele, who lives in Munich, has for some years supported us in the development and improvement of audible signal transmitters for traffic lights. In this regard she has been just as successful as in her athletic career.

DESIGN | PRICES



RTB's technical solutions meet the current standards such as RILSA, DIN 32981, ISO/DIS 11549 et al. Above all, they should and do meet the demands of consumers. By working closely with the self-help organisations, designers and acoustics experts, we achieve an optimal direction and volume for the acoustic signals. The guidance for the user is optimal and the residents in the vicinity of the device are not bothered.

All RTB audible signal transmitters react to the volume of ambient sound and can be individually adjusted by remote control.



DEVICE MODELS AND COMBINATIONS



Single Devices

Our single devices have their own electronics and their own loud speaker.

Walk Signal

The Walk Signal is defined by the standard which applies in the country where the device is installed and, of course, according to the wishes of the users. This signal is always emitted during the green phase for pedestrians and is directed at the crosswalk. Its volume is dependent on the length of the crosswalk and the buildings and objects present in the environment; it should be heard up to the middle of the crosswalk.

Guide Signal

The Guide Signal (location signal) helps the blind person learn the position of the system. This signal is emitted directly at the pole and thus aids the users in finding the pole. The Guide Signal also adjusts its volume to the ambient sounds and can be set at different levels.

One step at a time, RTB has increased the effectiveness of its products and refined the spectrum of products offered. At the present time we can offer communities a wide variety of potential solutions based on a modular structure. This means that new combinations can be made which are suited to each individual situation.



Combined Devices

Our combined devices win over consumers with the economical connection of technical infrastructure and efficiency characteristics. The levels for Walk Signals and Guide Signals in these devices can also be freely adjusted.

Combi

The Combi device consists of two independent loud speakers; one for the Walk Signal and one for the Guide Signal. However the device has only one electronic unit.

Combi S

The Combi S device has one electronic unit and one loud speaker, which emits both signals at the crosswalk. The use of a sound reflector makes it possible to hear the Guide Signal behind the pole as well.



Combinations

The various combinations of audible signal transmitters and push buttons offer a great number of advantages.

Push Button Model PiT

In this device the central electronic unit of the loud speaker does the switching. The user hears the guide signal simultaneously from the push button and the loud speaker. This makes finding the traffic light pole much easier.

Plus Push Button

In this device the vibration unit of the push button is also switched by the electronic unit of the loud speaker. This innovation can cut additional costs when traffic light systems are equipped with auxiliary units.

Also in regard to the design of the systems at traffic lights, the combinations of audible signal transmitters and push buttons made by RTB offer state of the art styling.

OPTIONS AND ADDITIONAL FUNCTIONS

Whether with the single devices or with the combinations, RTB offers its customers individual solutions geared to the specific situation in the community and/or to the particular traffic situation. For this purpose we have time tested options and additional functions.

Berlin



Sound Control

Diverse special wishes can be fulfilled by using opto-coupling input sockets and output sockets. For example, turning off the unit at certain times or reducing the volume at night.

Remote Control

With the aid of a remote control, which has an infrared port, all the devices can be adjusted, making fine tuning as simple as possible. All parameters (e. g. ambient noise increase, minimum and maximum volume, volume reduction speed) can be regulated. In this manner, the optimal use of the audible signal transmitters without interference is guaranteed.



The remote control makes it easier for the maintenance persons to set up and adjust the devices. It has its own microphone with which one can measure the volume of the device and adjust it accordingly.

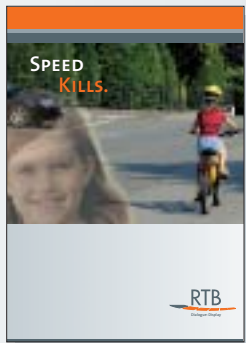
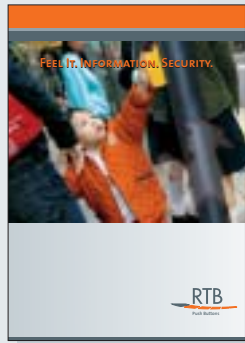
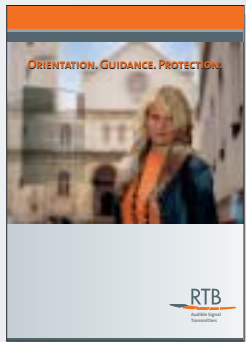
Voltage Variants

Voltage variants are available in 10V, 40V and 230V. The audible signal transmitters are available in black, light gray and dark green.

Integration in the Traffic Light Housing

With the Combi-device the entire electronics (including the loud speaker) can be installed in an additional optic signal housing. This solution is well suited for traffic light installations with limited space for additional audible signal transmitters.





TRAFFIC TECHNOLOGY FROM RTB

- Audible Signal Transmitters for Traffic Lights
- Push Buttons for Traffic Lights
- Dialogue-Displays

Please request our other informational material!
Or visit our website

www.rtb-bl.de

(including City Workshop for individual
product configuration)



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