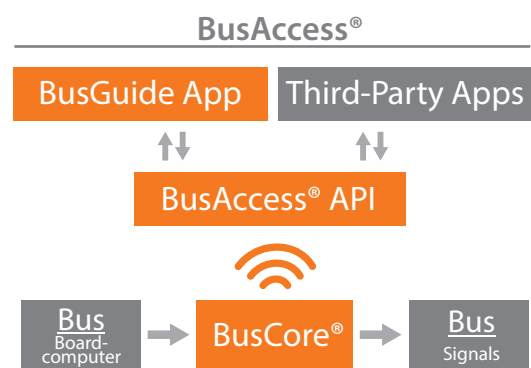# BusAccess®

Accessible Mobility in Public Transport

GeoMobile

BusAccess® – simply mobile

BusAccess® offers accessible mobility assistance for everyone. BusAccess® improves passenger information, increases the feeling of security for the user and offers innovative mobility services.

The system consists of a hardware component called BusCore® (developed by GeoMobile, patent pending), the smartphone app BusGuide and the BusAccess® API.

BusAccess®

BusGuide App	Third-Party Apps

⇅ ⇅

BusAccess® API

Bus Board-computer	→	BusCore®	→	Bus Signals

As an alternative for structural measures, BusAccess® is a cost efficient system supporting compliance with new accessibility regulations in public transport. The new German Passenger Transport Act passed legislation in 2013. It commands public transport in Germany to be accessible until 2022.

According to the German Equal Opportunities Acts for People with Disabilities, public transport is accessible if it is usable for people with disabilities in a common way, without particular difficulty and generally without the assistance of others.

BusCore® Hardware

The hardware module BusCore® provides the connection between the board computer of a public-transit bus and a common smartphone.
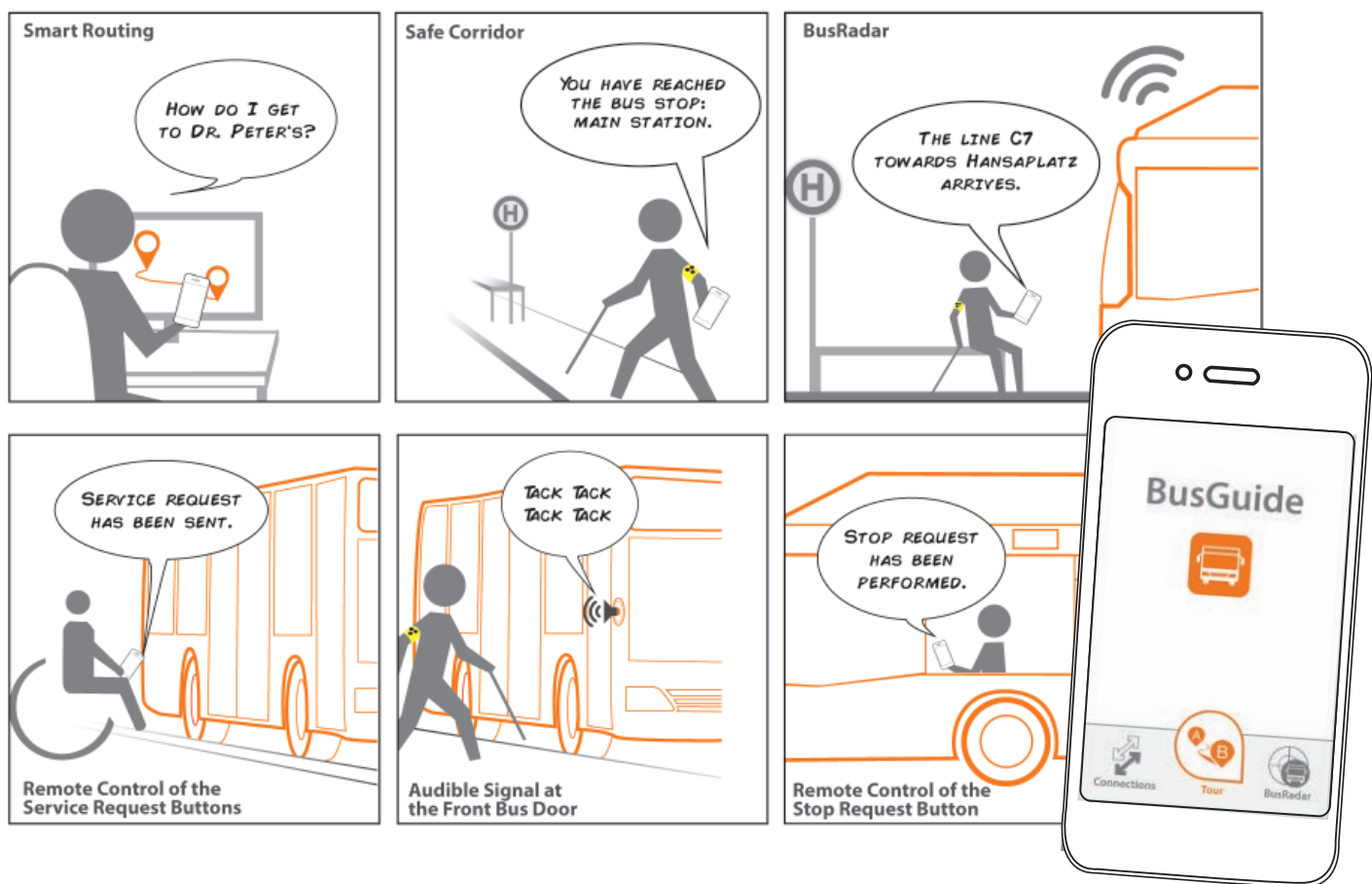
The module is mounted inside the bus, decodes IBIS-Bus messages and advertises them via *Bluetooth*® Smart. Additionally, the smartphone can send commands to BusCore® to induce stop and service requests.

Dimensions 115mm x 105mm x 25mm
Bluetooth® Smart Transceiver
Product Safety EN 60950
Patent Pending

BusAccess® API

The BusAccess® API is a native software library for Android, iOS and Windows Phone, that enables a seamless integration of BusAccess® functionalities into existing public transport apps.

BusGuide App

The BusGuide smartphone app is multilingual and provides an intuitive and accessible user interface. The app is available for iOS, Android and Windows Phone. Information about bus stops nearby, route maps, timetables and real-time delays are available in the app as well as the following BusCore® based functions:

Smart Routing from Door to Door
Find the best intermodal connection. Every information is also available as voice output.

Bus Radar at the Bus Stop
Busses are identified by the app and announced with the line number – the speaking bus!

Navigation in a Safe Corridor
Accessible pedestrian navigation with voice instructions and vibro tactile bearing.

Acoustic Orientation Signal
The bus sends an acoustic signal at the front door for better orientation upon entering.

Remote Control of the Service Button
The passenger can perform prior to the boarding a service request equally to the press of the service button at the rear door.

Remote Control for the Stop Request Button
The passenger can trigger the stop request from within the app – automatically or manually.

Geo-Social Interaction
Enable geo-social interaction between passengers and encourage citizens' involvement.

Mobile Payment
Integration of mobile ticketing and implementation of innovative mileage-based charging models.

we make the world more accessible

GeoMobile

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