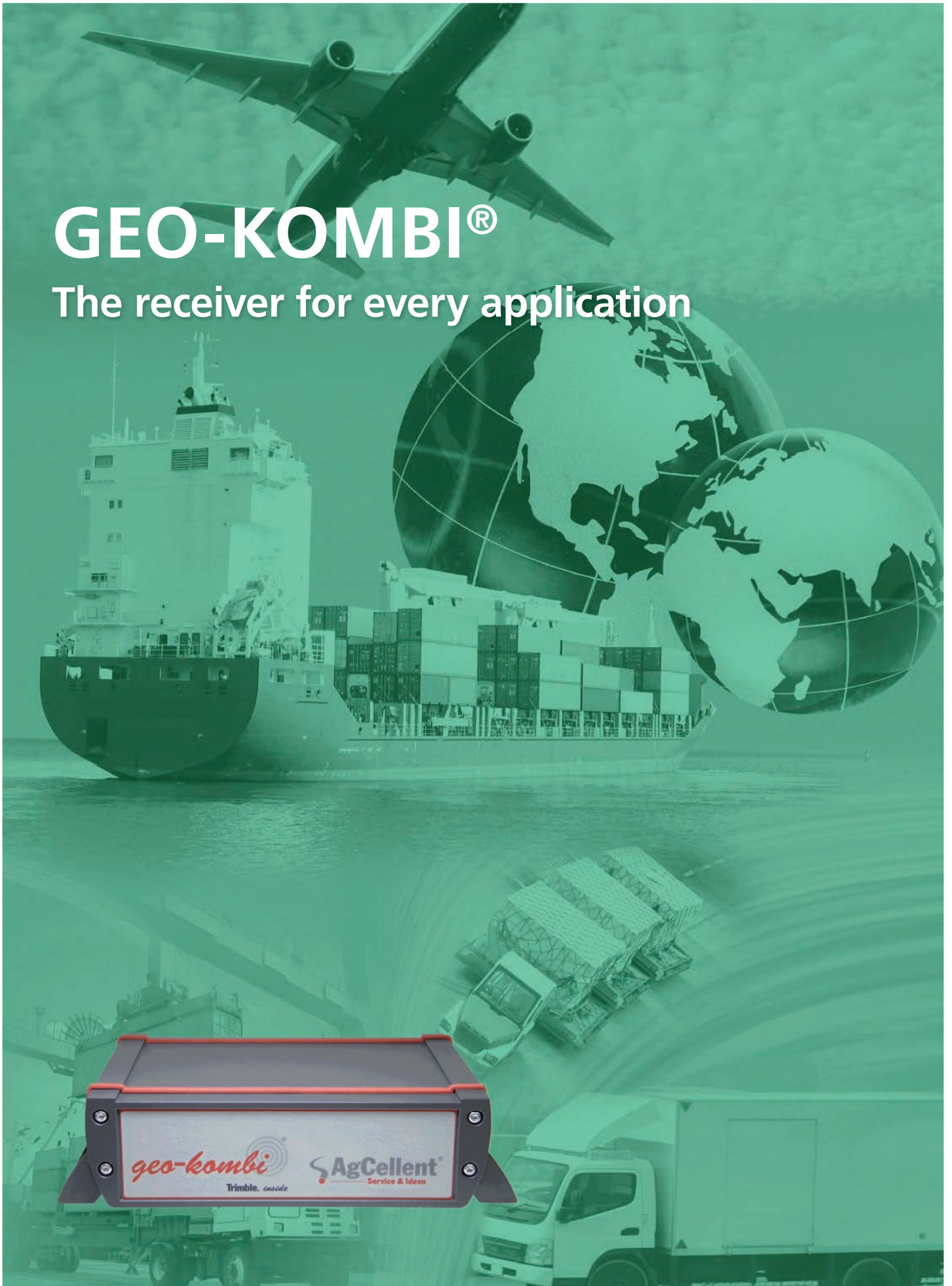


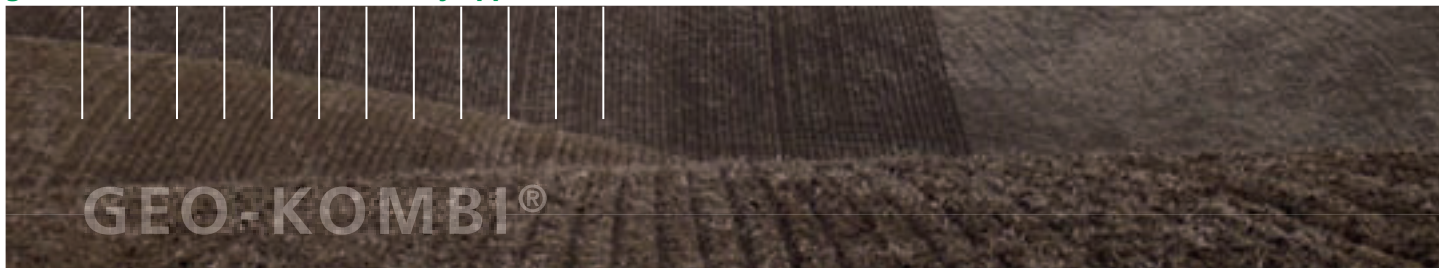
# GEO-KOMBI®

The receiver for every application



geo-konzept  
inventarisieren · kartieren · optimieren

 **AgCellent**<sup>®</sup>  
Service & Ideen



## ▶ TECHNICAL DATA

### SPECIFICATIONS

- ▶ supporting GPS, GLONASS, SBAS (EGNOS, OmniSTAR VBS, OmniSTAR HP/XP), GALILEO ready
- ▶ 220 channels
- ▶ maximum positioning output: 50 Hz
- ▶ dimensions: 5,5 cm (h) x 21,5 cm (b) x 14 cm (d)
- ▶ weight: 1,29 kg
- ▶ supply voltage: 9 V DC bis 36 V DC
- ▶ capacity (depending on equipment): 3-5 W
- ▶ protection class: IP 65

### ACCURACY\*

- ▶ DGNSS (L1): 70 cm
- ▶ DGNSS (L1/L2): <10 cm
- ▶ OmniSTAR HP: 10 cm
- ▶ RTK: 1,5 cm +1 ppm
- ▶ Heading: 0,09 @ 2m Baseline

### INTERFACES

- ▶ up to 4 x RS232 (by max 115 kbps)
- ▶ CAN
- ▶ Ethernet (10/100 BaseT)
- ▶ USB
- ▶ Digital I/O (GSM)
- ▶ PPS
- ▶ Event In

### PROTOCOLS

- ▶ NMEA 0183: e.g. GGA, UTG, ...
- ▶ Binary (GSOE, RT17/27)
- ▶ RTCM 2.x, RTCM 3.x, CMR, CMR+
- ▶ in preparation for NMEA2000
- ▶ http, ntp, smtp, NTRIP caster, NTRIP server, NTRIP client
- ▶ mDNS / UPnP service discovery
- ▶ DHCP / Dynamic DNS

### ANTENNAS

- ▶ Trimble® Ag25 antenna
- ▶ permanent base antenna
- ▶ Trimble Zephyr II Mdl 2, geodetic optional

### OPTIONS

- ▶ Heading-upgrade
- ▶ integrated multi-protocol-UHF- module or quad-band-GSM/GPRS/UMTS-module
- ▶ mapping-bundle

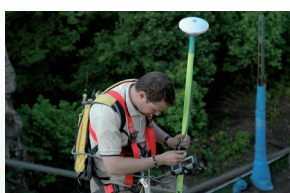
## ▶ GEO-KOMBI® - THE RECEIVER FOR EVERY APPLICATION

**geo-kombi® is available in several versions in order to match the requirements of various user groups. Because of its modular structure it is the perfect solution to integrate GNSS-technologies in existing systems as well as in new applications.**



### geo-kombi® base station

- ▶ high-precision and independent
- ▶ DGNSS- or RTK-accuracy
- ▶ configuration via network connection
- ▶ available as attractive base-rover-package
- ▶ integrated multi-protocol UHF-Modul- external UHF/VHF



### geo-kombi® 10 Rover

- ▶ centimeter-accuracy for DGPS price
- ▶ opportunity to use VRS, base station or OmniSTAR-corrections
- ▶ NMEA-data output for every common mapping software
- ▶ RTK- and Heading-upgrade available



### geo-kombi® RiGuide

- ▶ GNSS-package for drill rig control
- ▶ satellite based adjustment of drill booms
- ▶ retrofitting for all common drill rigs
- ▶ reduces costs and increases efficiency
- ▶ complete documentation
- ▶ perfect extension for geo-konzept blast design-systems

\*Absolute accuracy (1 Sigma) with adequate VRS or base station correction data.



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