NESTLE
MIT DEN BESTEN MESSEN

Quick start guide

EN

NESTLE

Satellite positioning system

GNPS-64

Part No. 26068001

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1. Introduction

Thank you for choosing the GNPS-64 system from Gottlieb Nestle GmbH. We recommend reading this quick start guide and following all steps to fully understand the product and get started quickly.

Further information on operation and system details can be found in the user manual, which is available here:

https://g-nestle.de/landing/gnps-64

Always observe all warning and safety instructions according to the user manual.

2. Scope of delivery

- GNPS-64 antenna,
- Charger and cables for GNPS-64 antenna,
- Antenna pole with spirit level
- Controller Li-Ion battery,
- Charging adapter and cable for Controller
- Holder for Controller
- Pole holder H2C for holder
- Field software NESTLE on4go (permanent)
- Transport bag

3. Antenna GNPS-64 – Switching on and charging

<table>
<tr><th>Task</th><th>Process</th><th>Instruction</th></tr>
<tr><td>Front view

Switching on / Switching off</td><td>Satellite display: Flashes n times every 100 ms, n = number of satellites received.
Correction data display: Flashes during TX/RX correction data

On/Off switch: Press and hold to switch on/off.
Operating indicator:
Red continuous light = antenna is switched on
Green flashing light = charging in progress
Green continuous light = charging completed</td><td></td></tr>
<tr><td>Rear view</td><td>
Laser receiver
Laser transmitter
Camera</td><td></td></tr>
<tr><td>Bottom view

Charging</td><td>SMA connector

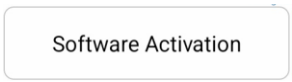
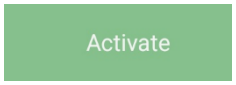
5/8“ connector
USB-C cover
AR camera
Rating plate with serial number</td><td>• Open USB-C port cover,
• Insert USB-C cable,
• Connect power supply to mains
• Charging starts.
• See front view for charging status

Note:
When charging with standard power supplies, the antenna remains switched on after disconnecting the USB-C cable.</td></tr>
</table>

4. Controller – Switching on and charging

Task	Process	Instruction
Switching on / Switching off		Press and hold >3 seconds to switch on/off
Charging		• Insert USB-C cable, • Connect power supply to mains • Charging starts. • See screen display for charging status
Instructions	Galaxy Tab Active5 5G | Samsung Service DE	• Original manual

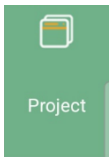
5. on4go Installation, Start, Registration

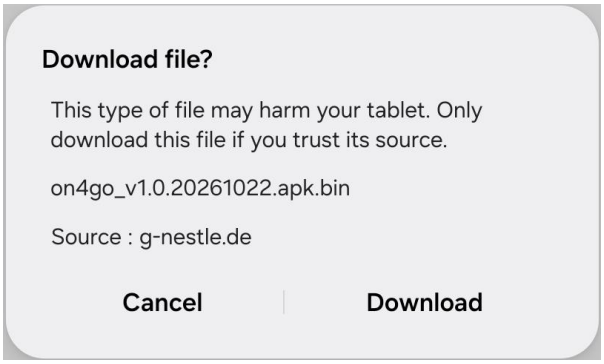
Task	Process	Instruction
Download & Install	1. Switch on Controller. 2. Establish internet connection. 3. Start browser. 4. Access address or QR code: https://g-nestle.de/landing/gnps-64 5. Click on under SOFTWARE APP ON4GO on *on4go App Download.* 6. Download the APK file, open the file via your downloads or a file manager, and tap Install.	Note: To install an APK file on an Android device, installation from unknown sources must be enabled for the browser or file manager in the system settings.
Start		Click on icon
Register	1.  2.  3. Check expiration time - If 2999-12-31 is displayed, the permanent licence is already installed. - If displayed as inactive, select:  - enter the licence code, - click on: 	Note: If you do not have a licence code, please contact: on4go@g-nestle.de
Update	The initial installation does not include the latest version. After initial installation and registration, always check for and install the latest version (see next chapter).	

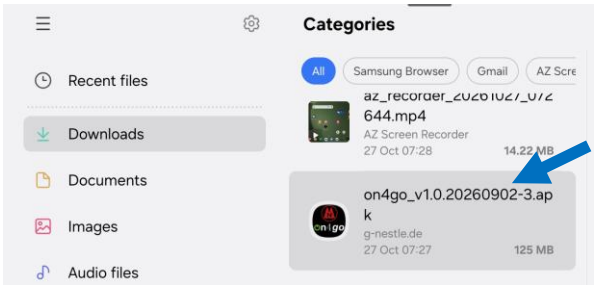
6. on4go Update

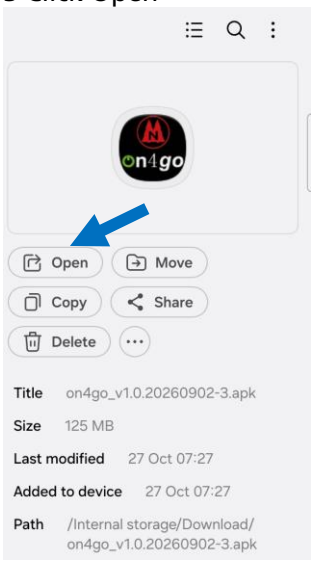
Regularly check for an up-to-date version of on4go.

Support is only provided for the latest version of on4go; previous versions are excluded from support.

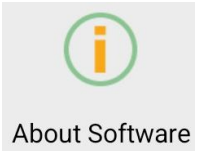
Task	Process	Instruction
Check for latest version	1.  2.  3. Note the installed version name  4. Click on:  5. The internet browser opens and displays the current on4go_v1.x.YYYYMMDD.apk. If the value YYYYMMDD (year-month-day) is more recent than that of the installed version, proceed to the next step. Otherwise, you are already using the latest version.	Establish internet connection.
Download update	1 Click the APK file in the browser: 	

<table>
<tr>
<td></td>
<td>2 Allow "Download". Click Download.

</td>
<td>Note:
Depending on the internet speed, downloading may take some time.</td>
</tr>
<tr>
<td>Update Install</td>
<td>1 Use a file manager to navigate to the downloaded on4go APK file.
➔ Internal storage / Download/on4go_V1.0.YYYYMMDD.apk

2 Click on the file name


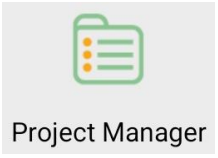
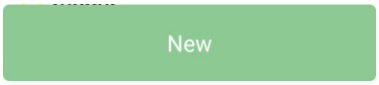
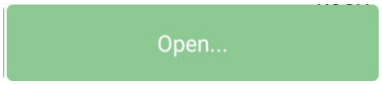
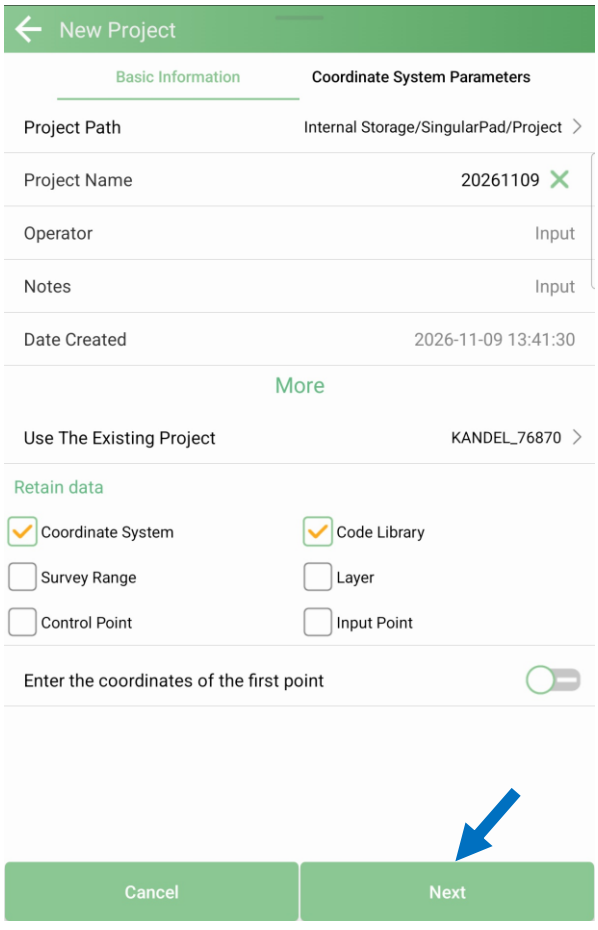
3 Click Open


➔ The version is being installed.</td>
<td>Note:
Information on the latest version can be found in the on4go release notes:
1

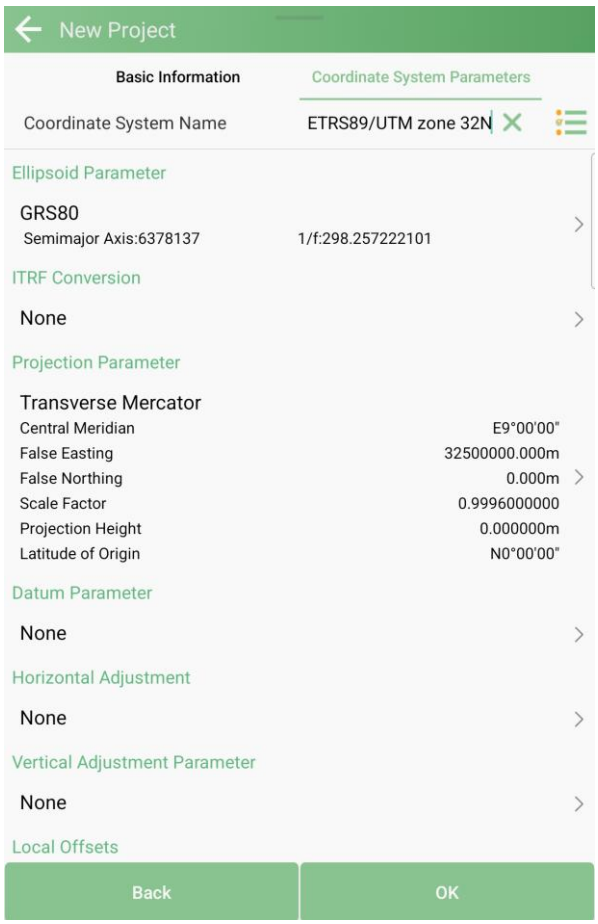

2


3
Download Release Note</td>
</tr>
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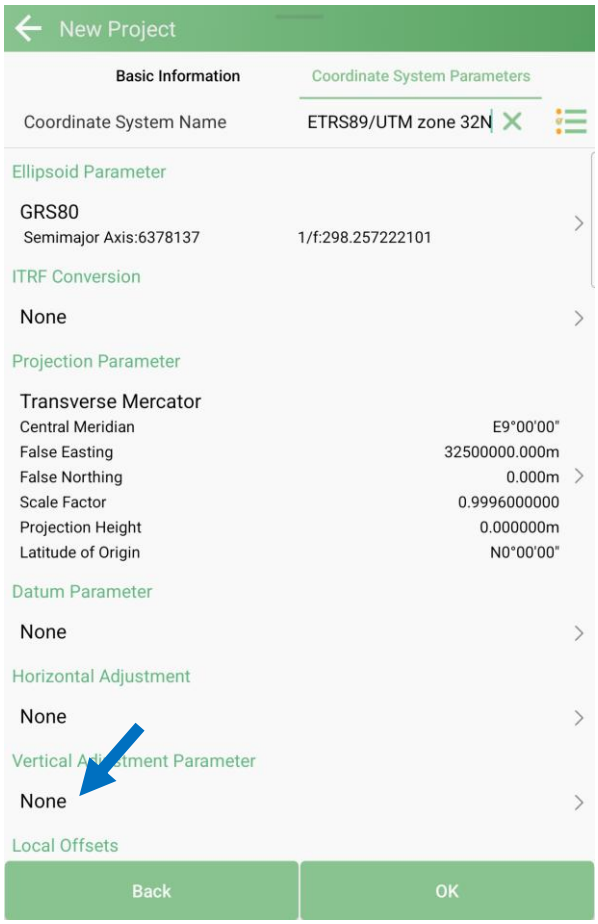
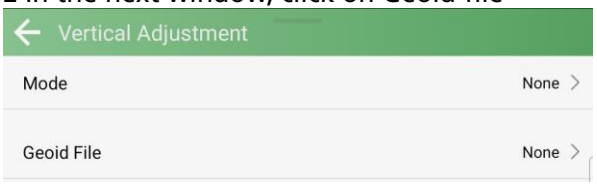
7. Create on4go project

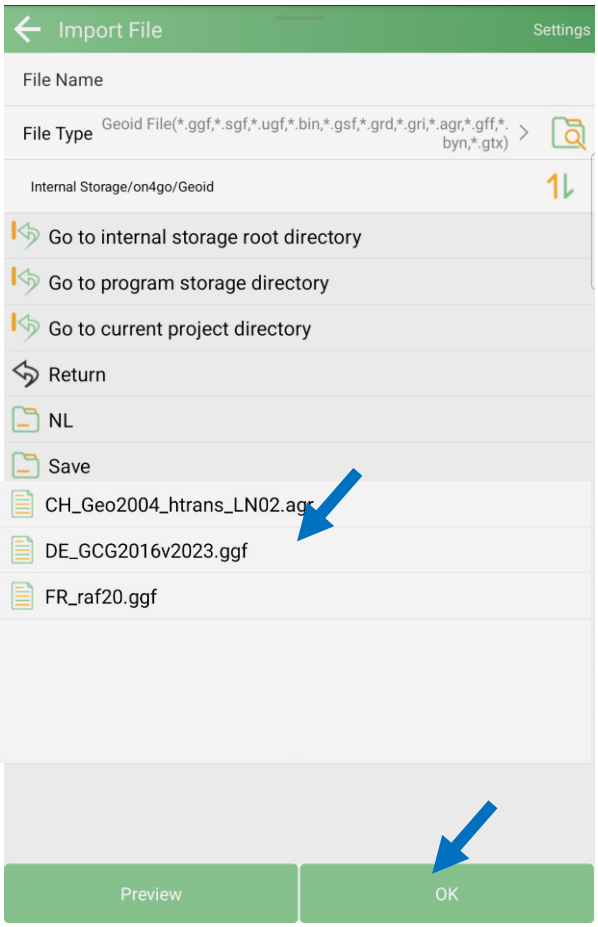
Task	Process	Instruction
Project-manager	1.  2.  3a.  for new project. 3b.  to open existing one.	
3a. NEW		Fill in all fields. Then click *Next*

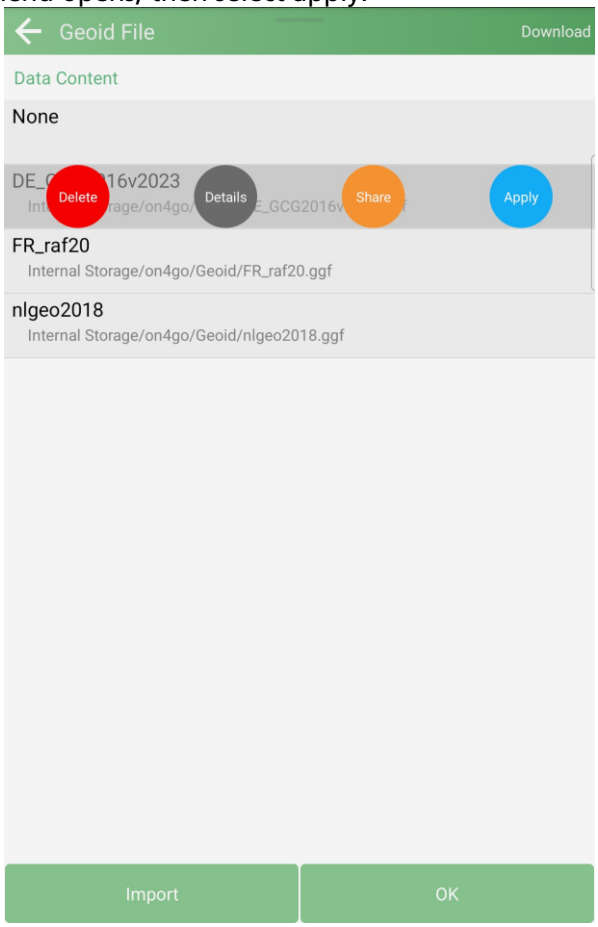
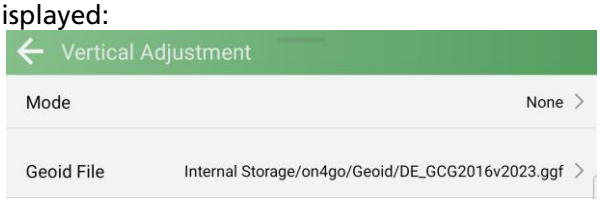
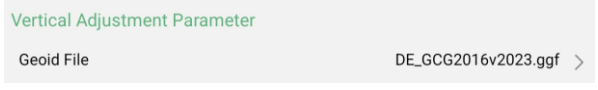
8. Create on4go project – set coordinate system

Task	Process	Instruction
Coordinate-system		Fill in all fields. Then click *OK*. Note On4go already includes many predefined Coordinate systems for many countries. To select a predefined coordinate system, select:  Then:  Predefined coordinate systems are grouped by country name. Select a country to search for a predefined coordinate system.

9. Create on4go project – set geoid file

Task	Process	Instruction
Geoid file adjust	1 Click on none under vertical adjustment parameters  2 In the next window, click on Geoid file  3 The next window lists all imported Geoid files. If your desired Geoid file is missing, click on:  	We recommend using a Geoid file for local height transformation.  If your desired Geoid file is already listed, go to task “Geoid file apply”.

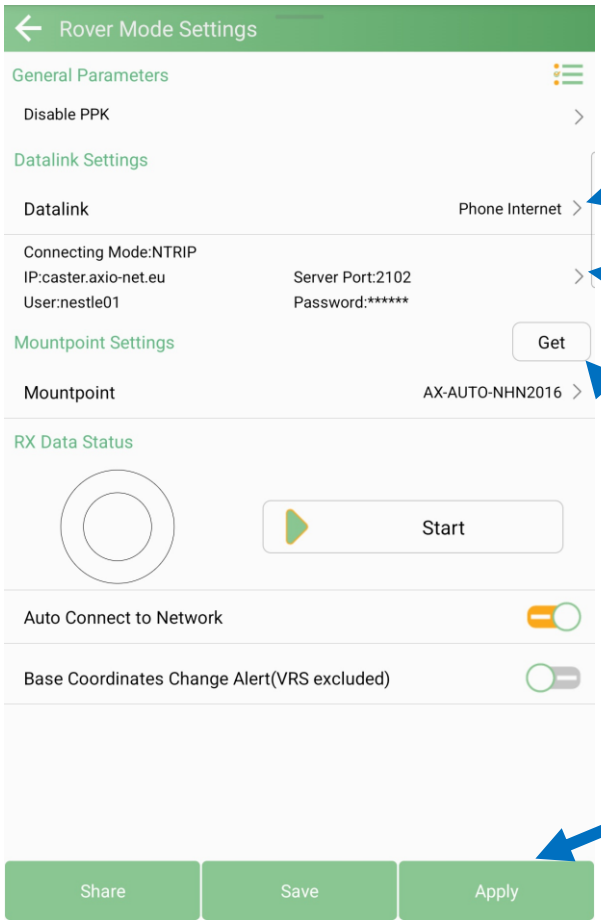
Task	Process	Instruction
Geoid file import	Use the internal file manager to navigate to the location of the desired Geoid file. Only Geoid files in the formats listed under file type can be imported. 	Note Geoid files for various countries are already included in the scope of delivery. Click the desired file, then click OK. For Germany: DE_GCG2016v2023.ggf For France: FR_raf20.ggf Further countries to follow.

Task	Process	Instruction
Geoid file apply	1 Long-press the desired file until the selection menu opens, then select apply.  2 The selected path with the geoid file is displayed:  3 Click OK  4 The geoid file used appears in the field  	

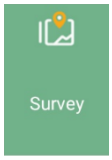
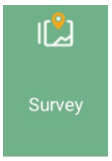
10. Connect on4go antenna

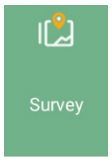
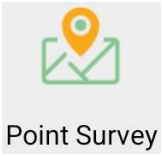
Task	Process	Instruction
GNPS-64 Antenna connect	Switch on GNPS-64 antenna.	See chapter 3
via NFC	Antenna and Controller are equipped with NFC chips. To connect, activate NFC services on the Controller, then hold the antenna's NFC tag against the Controller's NFC chip (next to the camera). Once the connection is detected, allow the action for on4go.	
via Bluetooth	See instructions	

11. Set on4go RTK measurement operating mode

Task	Process	Instruction
RTK operating mode with Correction-data service	1. Device 2. Rover	
		1. For mobile data via Controller (recommended). 2. Select here to configure the correction data service settings. 3. Then click *Get* to load the list of mount points. 3. Then click *Apply*.

12. on4go point acquisition / recording

Task	Process	Instruction
Point measurement Recording **without tilt compensation**	Establishing connections	See previous chapters
	1.  2. 	
	Status:  Tilt compensation not active.	Select in the function menu.
	- Hold the antenna pole vertical and still. - Ensure that the correct antenna height is set. - Select  to capture a position.	Note The system's preset limits require a FIXED position solution (recommended).
Point measurement Recording **with tilt compensation**	Establishing connections	See previous chapters
	1.  2. 	
	Status:  Tilt compensation active.	Select in the function menu.
	1. 2. 3. 4.  FIXED   No tilt compensation possible. Tilt compensation possible.	Initialise antenna if necessary.
	- Ensure that the correct antenna height is set. - Select  to capture a position.	Note The system's preset limits require a FIXED position solution (recommended).

Task	Process	Instruction
Point measurement Recording **with tilt compensation** and **with laser** distance meter Note For laser measurements, the use of a bipod is recommended to reduce vibrations caused by human factors and associated inaccurate measurement results.	Establishing connections	See previous chapters
	1.  2. 	
	Status:  Tilt compensation active.	Select in the function menu.
	1.  No tilt compensation possible. 2. FIXED 3.  4.  Tilt compensation possible.	Initialise antenna if necessary.
		Select in the function menu. Note Never look directly into the laser beam. Note Generally, the best accuracy is achieved at 3–5 metres. Distances over 10 m have very low accuracy and are therefore not recommended.
	- Ensure that the correct antenna height is set. - Select  to capture a position.	Note The system's preset limits require a FIXED position solution (recommended).

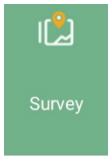
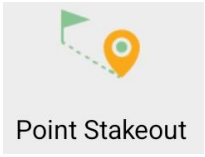
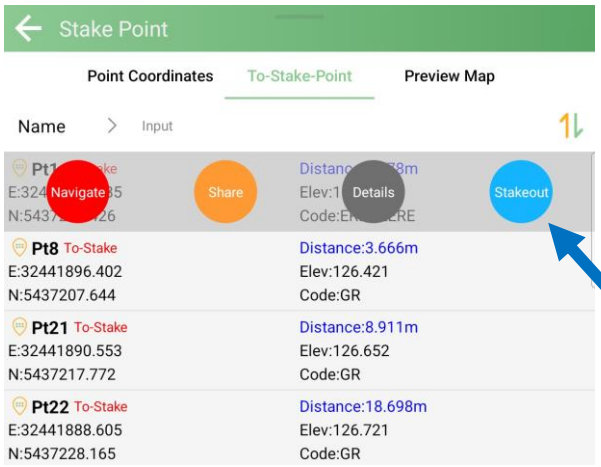
13. Point staking – with visual AR camera support

The AR camera support uses the WLAN connection to transmit visual data.

If you use a correction data service, please insert a SIM card into the Controller to ensure an internet connection during AR operation. Do not use WLAN or a mobile hotspot, as the WLAN is reserved for AR data transmission.

A fixed solution, as well as enabled and initialised tilt compensation, are required for visual AR camera support.

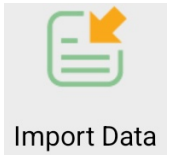
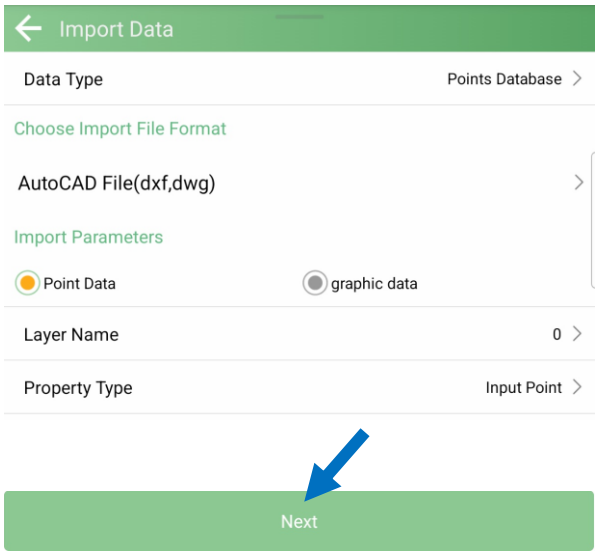
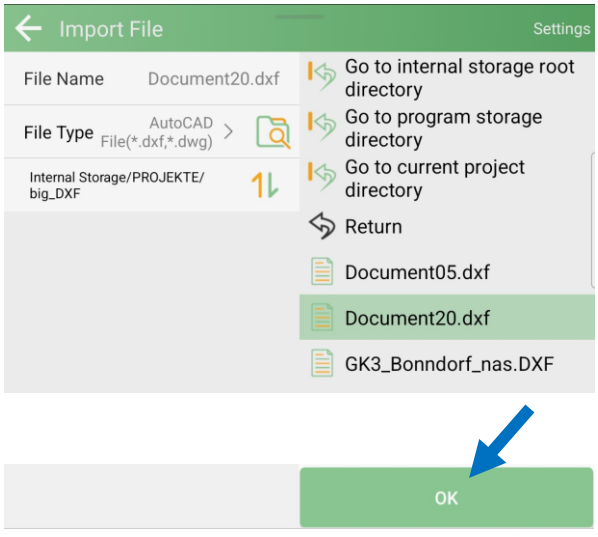
Working with WLAN enabled consumes significant energy, which may reduce battery life.

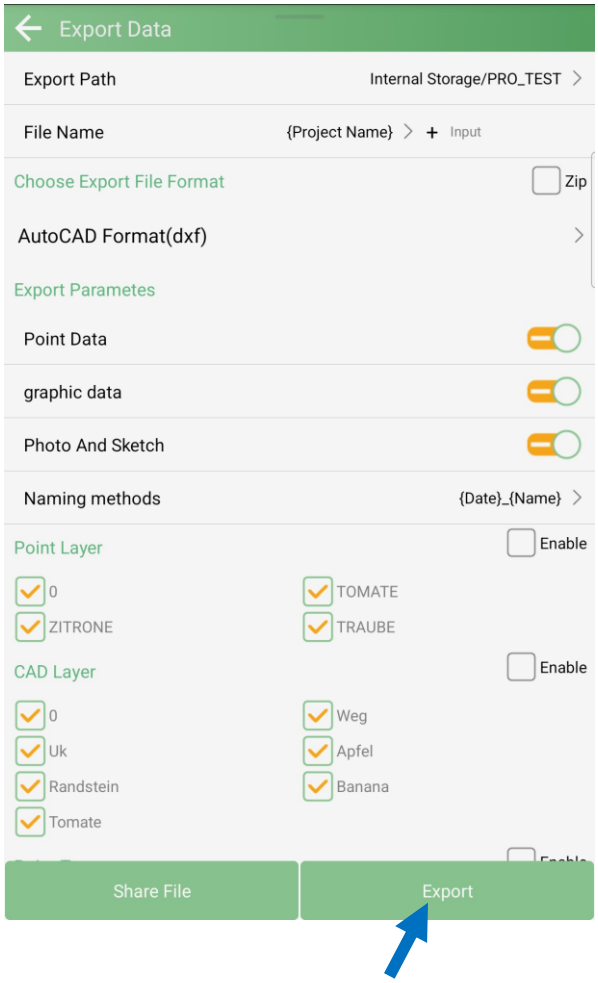
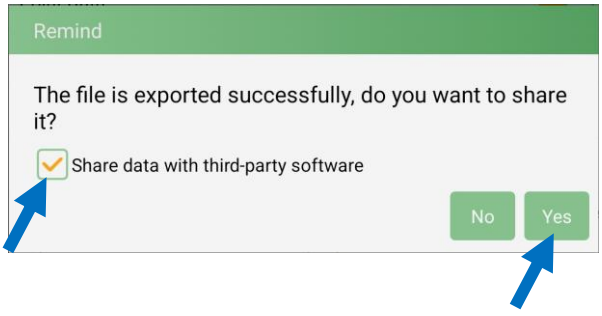
Task	Process	Instruction
Stakeout with visual AR camera	Establishing connections	See previous chapters
	1.  2. 	
		1. Select target point from list or select map. 2. Click *Stakeout*.
	Activate and initialise tilt compensation.	See previous chapters
		Select from the bottom function menu to activate AR function.
	- Wi-Fi list opens, - Select antenna serial number, - Password: 12345678.	Upon first call

Task	Process	Instruction
Stakeout with visual AR camera		Ensure that the front of the receiver faces backwards. The software indicates the direction of the stakeout point based on the camera image.

14. on4go data import and export

on4go supports the import and export of various data formats.

Task	Process	Instruction
Import	1.  2. 	
		1. Select data type 2. Select import format 3. Select import parameters 4. Select layer name 5. Select property type 6. Click *next*
		1. Select import file location. 2. Click *OK*

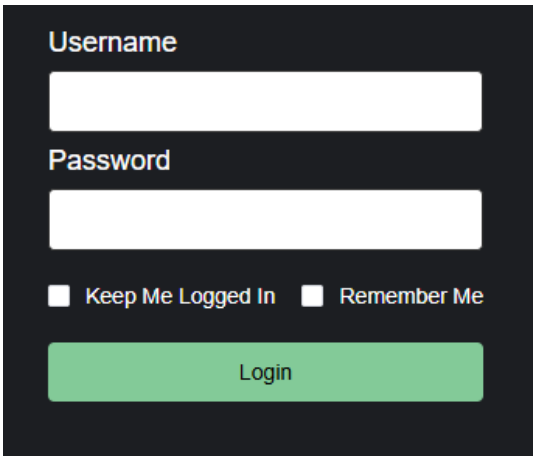
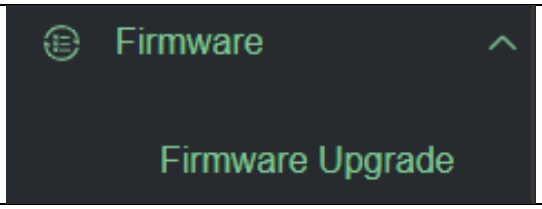
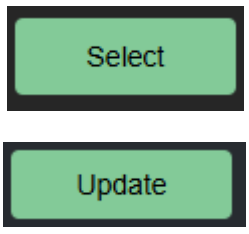
Task	Process	Instruction
Export	1.  2. 	
		1. Set export path 2. Set file name 3. Select file format 4. Select export parameters 5. Optionally select layers and point type. Click Enabled for changes. 6. *Click Export* Note: Another window opens depending on the chosen file format. Define any required entries there and confirm them.
		To share data via the Android SHARE function, activate the "Share data with third-party software" box and click YES; the Android SHARE window will then open.

15. Introduction to the web user interface – Firmware update

Interventions and changes via the web user interface may only be performed by trained personnel, as changes in this area have a major impact on the GNSS antenna performance. To improve general performance, the manufacturer may recommend a firmware update; therefore, this chapter describes this process exclusively. If you have unintentionally made changes within the web user interface, please contact

.

Your request will be processed there. Please note that any services regarding the web user interface may be subject to a fee.

Task	Image	Instruction
Connect		1. Switch on antenna. 2. Switch on PC Wi-Fi. 3. Select GNSS antenna "serial number" Wi-Fi and connect. 4. Open browser. 5. Enter IP address 192.168.10.12 in the browser. 6. Username: admin 7. Password: admin
Work management		1. Click on Firmware. 2. Click on Firmware Upgrade.
Firmware Upgrade		1. Select Select 2. Select the storage location of the firmware (*.bin). 3. Select Update. Progress is displayed in the status. The device restarts automatically after the update.

16. Checking the results

As is customary in surveying, we recommend checking the settings and position data in the field. Therefore, always verify the position data using known, coordinated points on-site.

17. Contact

Gottlieb NESTLE GmbH
Freudenstädter Straße 37-43
72280 Dornstetten - Germany
info@g-nestle.de

Original text is German, all other languages are translations of the original text.

Version October 2026 – Index 02