Leica Zeno GIS

Equipment List





Table of Contents

Lei	ca GNSS/GIS Smart Antennas	3
1	Leica Zeno FLX100 Smart Antenna	3
	1.1 Leica Zeno FLX100 Smart Antenna1.2 Accessories FLX100	3
2	Leica Zeno FLX100 plus Smart Antenna	3
	2.1 Leica Zeno FLX100 plus Smart Antenna 2.2 Accessories FLX100 plus	3 4
3	Leica GG04 plus Zeno Smart Antenna	5
	3.1 Leica GG04 plus Zeno Smart Antenna 3.2 Upgrade Options	5 5
4	Accessory for GG04 plus Smart Antenna	6
	4.1 Battery	6
	4.2 Battery Chargers 4.3 Universal Pole Holders	6
	4.4 Data Cable	6
	4.5 Transport Container4.6 Poles	6
Up	grade Options	7
5	Hardware upgrade option for GG04	7
6	Upgrade options for GG04 plus	7
Ru	gged Tablets	8
7	Rugged Android Tablet	8
	7.1 Leica Zeno Tab 2 7.2 Accessories for Leica Zeno Tab 2	8
Lei	ca Zeno Software	9
8	Software	9
	8.1 Leica Zeno Mobile for Android smartphones and tablets	9
	8.2 Leica Zeno Connect	9
Lei	ca GNSS/GIS Rover Packages	10
9	Leica GNSS/GIS Rover Packages with Leica Zeno Mobile/Connect	10
	9.1 Leica Zeno Packages for FLX100 9.2 Leica Zeno Packages for FLX100 plus	10 10
	9.3 Leica Zeno Packages for GG04 plus	11
Car	re Packages	12
10	Customer Care Packages	12
Tra	demarks	13
11	Trademarks	13
Sug	ggested Packages	14
12	GG04 plus Tablet Solution (6015434)	14
13	FLX100 plus Pole Start Package (6017823)	15

Leica GNSS/GIS Smart Antennas

1 Leica Zeno FLX100 Smart Antenna

1.1 Leica Zeno FLX100 Smart Antenna



915 866	FLX100	Leica Zeno FLX100 smart antenna including multi-constellation support (GPS, Glonass, Galileo and BeiDou). Comes with power adapter, Type-C charging
		cable, USB A to USB C cable and Arm/Belt pouch. The FLX100 is supported by Zeno Mobile and Zeno Connect (for 3rd party applications).

1.2 Accessories FLX100



915 867	AZ219	Pole Mount to attach FLX100 with pole
		5/8 pole mount to attach a FLX100 to a Leica GNSS pole.
921 109	AZ222	Arm/Belt pouch for FLX100 The arm/belt carry pouch allows to carry the FLX100 receiver on your waist or on your arm.
915 868	AZ220	Universal Handheld Tray for FLX100 Universal Handheld Tray for Leica Zeno FLX100 Smart Antenna. Build your own GNSS-handheld by combining your smartphone/tablet sized up to 8" (height range 129 mm - 182 mm) with the FLX100. Please refer to our documentation for supported mobile devices. For tablet usage, add AZ224 Handstrap tether for Tablets.
948 729	AZ224	Handstrap tether for 8"- 12.9" tablets Needed to attach tablets on AZ220 or AZ225 Universal Handheld Tray for Leica Zeno FLX Smart Antenna.
917 860	AZ221	Softbag for FLX100 Softbag for FLX100 for transportation and protection against dirt - includes belt loop.



2.1 Leica Zeno FLX100 plus Smart Antenna



958 981	FLX100 plus	Leica Zeno FLX100 plus Smart Antenna including multi-constellation support
	·	(GPS, Glonass, Galileo and Beidou). New variant, capable of connecting to Android, Windows and Apple devices. Comes with power adapter, USB-C
		charging cable, USB-C/USB-A cable and AZ222 Arm/Belt pouch for FLX100
		(plus). The FLX100 plus is supported by Zeno Mobile and Zeno Connect (for 3rd party applications).

2.2 Accessories FLX100 plus





	-	
915 867	AZ219	Pole Mount to attach FLX100 plus with pole 5/8 pole mount to attach a FLX100 plus to a Leica GNSS pole.
921 109	AZ222	Arm/Belt pouch for FLX100 plus The arm/belt carry pouch allows to carry the FLX100 plus receiver on your waist or on your arm.
915 868	AZ220	Universal Handheld Tray for FLX100 plus Universal Handheld Tray for Leica Zeno FLX100 plus Smart Antenna. Build your own GNSS-handheld by combining your smartphone/tablet sized up to 8" (height range 129 mm - 182 mm) with the FLX100 plus. Please refer to our documentation for supported mobile devices. For tablet usage, add AZ224 Handstrap tether for Tablets.
948 729	AZ224	Handstrap tether for 8"- 12.9" tablets Needed to attach tablets on AZ220 or AZ225 Universal Handheld Tray for Leica Zeno FLX100 plus Smart Antenna.
917 860	AZ221	Softbag for FLX100 plus Softbag for FLX100 plus for transportation and protection against dirt - includes belt loop.

3 Leica GG04 plus Zeno Smart Antenna

3.1 Leica GG04 plus Zeno Smart Antenna



867 128 **GG04 plus PROF**

GG04 plus Professional. GPS&Glonass Multi-Frequency GNSS smart antenna with RTK processing kernel, 20 Hz, 555 channels, upgradeable options, raw data logging support & NMEA streaming. A Zeno Connect license is already included with the GG04 plus in order to use the antenna on Android/iOS mobile devices (smartphones/tablets) via Zeno Connect from the Google Play Store or Apple App Store (iOS).

GG04 plus PROF (867 128)

Frequencies	Multi-Frequency
Accuracy RTK	1 cm + 1 ppm
Accuracy Post-Processed	1 cm + 1 ppm
GLONASS capable	•
Galileo capable	0
BeiDou capable	0
SmartLink capable	0
Integrated GNSS receiver & antenna	•
Integrated SBAS	•
Channels	555
NMEA & Android Location Service output (via Zeno Connect)	•
additional BT port for NMEA GNSS metadata	•
RTCM input	•
Raw Data Logging	•
iOS, Android, Windows support	•

StandardO Optional



² GG04 plus is supported in Zeno Field 3.6 onwards, Zeno Mobile 1.9 onwards and Zeno Connect 3.0 onwards.

3.2 Upgrade Options

For software & tracking upgrade options please refer to "6 Upgrade options for GG04 plus".

4 Accessory for GG04 plus Smart Antenna

4.1 Battery



772 806 GEB212	Lithium-Ion battery, 7.4V/2.6Ah, rechargeable.	
-----------------------	--	--

4.2 Battery Chargers



799 185	GKL311	Single-bay Charger Professional 3000. Charger for one Li-lon battery (GEB211, GEB212, GEB221, GEB222, GEB241, GEB242 and GEB311), including AC/DC adaptor and cigarette lighter cable.
799 187	GKL341	Multi-bay Charger Professional 5000. Charges up to 4 batteries (GEB211, GEB212, GEB221, GEB222, GEB241, GEB242 and GEB311), including power cable.
734 389	GDC221	Car adapter for the GKL341 charger. Allows the use of the GKL341 with a cigarette lighter; 12V/24V DC/DC converter. Can also be used to power CS15 field controller directly from a cigarette lighter.

4.3 Universal Pole Holders



854 153	UVPMSPH	Universal Pole Mount small Smartphones Pole mount to attach a smartphone (up to 3.25"/8 cm phone width) to a Leica GNSS pole, incl. plate and mount.
857 351	UVPMLPH	Universal Pole Mount large Smartphones Pole mount to attach a smartphone (3" - 4.5"/8-11.5 cm phone width) to a Leica GNSS pole, incl. plate and mount.
857 383	UVPMLTA	Universal Pole Mount large Tablets Pole mount to attach a tablet (9 - 10" screen) to a Leica GNSS pole, incl. plate and mount.
854 154	UVPMSTA	Universal Pole Mount for small Tablets to attach a tablet (7-8" screen) to a Leica GNSS pole, incl. plate and mount.

4.4 Data Cable



733 282	GEV162	Data transfer cable 2.8 m.
767 899	GEV234	Data transfer cable, 2 m, connects GG04 plus to USB.

4.5 Transport Container



855 306	GVP734	Small hard container for GG04 plus.
873 933	GVP738	Hard container for Leica Zeno GG04 plus Rover, to fit Leica Zeno Tab and Leica
		Zeno GG04 plus in one container.

4.6 Poles



768 226	GLS13	Telescopic aluminium GNSS pole with 5/8" screw. Snap locks at 1.80m and 2.00m. Includes circular bubble.
752 292	GLS30	Telescopic carbon GNSS pole with 5/8" screw. Snap locks at 1.80m and 2.00m. Includes circular bubble.

Upgrade Options

5 Hardware upgrade option for GG04

864 664	Service-	Upgradekit GG04 to GG04 plus (Service)
	Upgradekit	Hardware upgrade to enable iOS support and multiple Bluetooth connections at
		once (required for example for Collector for ArcGIS high accuracy release).

6 Upgrade options for GG04 plus

844 248	GG04 plus GLO	GG04 Option to upgrade the GG04 plus to track Glonass.
844 304	GG04 plus BEI	GG04 Option to upgrade the GG04 plus to track Beidou.
844 306	GG04 plus GAL	GG04 Option to upgrade the GG04 plus to track Galileo.
844 307	GG04 plus MULTIRTK	Upgrade option to track multiple signals from all activated satellite systems & RTK processing kernel activation.
5307067	GG04 plus 1 YR SMARTLINK SERVICE	GG04 plus upgrade to receive TerraStar C Pro corrections via L-Band to achieve accuracies of about 10 cm. Service valid for 1 year. Multi-Frequency option required.
5307119	GG04 plus 1 MTH SMARTLINK SERVICE TRIAL	GG04 plus trial upgrade to receive TerraStar C Pro corrections via L-Band to achieve accuracies of about 10 cm. Service valid for one month. Maximum 2 renewals allowed. Multi-Frequency option required.



The SmartLink service contract (i.e. TerraStar C Pro corrections) automatically renews every year. There is no need to re-order the service for continuation.

Rugged Tablets

7 Rugged Android Tablet

7.1 Leica Zeno Tab 2



Field Controller

88 / 520	ZENO TAB 2	Leica Zeno Tab 2
		Leica Zeno Tab 2. 8" screen, 4 GB RAM, 32GB Flash, WiFi, Bluetooth, USB-C plug,
		MicroSD card slot, 13 MPix Camera with flash, 5 MPix Camera front, 4G LTE
		module, GPS, BDS, GLONASS, IP67 environmental protection. Includes 1 Li-Ion
		battery, 1 USB-C charging cable with EU/UK/US/AUS power adapter, and Quick
		Cuido

Field Controller packages			
6015434	GG04 plus	The GG04 plus Tablet Solution 2 package is a ready to start pack that includes:	
	Tablet Solu-	a Leica Zeno Tab 2 Android tablet, a GG04 plus Professional smart antenna, Zeno	
	tion 2	Mobile Professional, 1 year Zeno Mobile on Android phone/tablet CCP, a GLS30	
		carbon fibre pole, Hard Container for Zeno GG04 plus Rover, Zeno Tab 2 pole	
		mount, a GEB212 battery and a GLK311 battery charger.	

7.2 Accessories for Leica Zeno Tab 2



Transport Container

873 933	GVP738	Hard container for Leica Zeno GG04 plus Rover, to fit Leica Zeno Tab and Leica Zeno GG04 plus in one container.
Pole Mou	nt	
891 196	AZC002	Mount to attach Leica Zeno Tab 2 to a Leica GNSS pole



887 521 **AZCO01** Clamp to attach Leica Holder to a Leica GNSS pole

6009135 **AZ300** Mount and clamp to attach the Zeno Tab 2 to a Leica GNNS pole



Battery

907 285 **GEB256** Spare Li-Ion battery BA820 for Zeno Tab 2



Protection Foil

947 572 **SPF09** Protection Foil for Zeno Tab 2

Leica Zeno Software

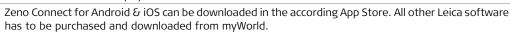
8 Software

8.1 Leica Zeno Mobile for Android smartphones and tablets

GSW1326	Leica Zeno Mobile 'Standard' for Android phones and tablets. Leica Zeno Mobile 'Standard' for Android phones and tablets is an easy to use asset collection software. Protected.
GSW1327	Leica Zeno Mobile 'Professional' for Android phones and tablets. Leica Zeno Mobile 'Professional' for Android phones and tablets is an easy to use asset collection software. The 'Professional' Edition provides in addition e.g. multiple feature editing and cable locator support. Protected.
GSW1328	Leica Zeno Mobile Demo for Android phones and tablets. Leica Zeno Mobile Demo for Android phones and tablets is an easy to use asset collection software. The Demo Edition allows demonstration of Zeno Mobile for sales reps and includes all features of the Professional Edition. Protected. 1-year time limited.
GSW1329	Leica Zeno Mobile Eval for Android phones and tablets. Leica Zeno Mobile Eval for Android phones and tablets is an easy to use asset collection software. The Evaluation Edition allows customers to evaluate all features and functions of Zeno Mobile. Protected. 30 days time limited.
GSW1465	Upgrade Leica Zeno mobile for Android phones and tablets Standard to Professional. Upgrade article to convert a Zeno Mobile for Android phones and tablets 'Standard' license into a 'Professional' license.
	GSW1327 GSW1328 GSW1329

8.2 Leica Zeno Connect

788 866	GSW998	Leica Zeno Connect on CS25 plus.
		Leica Zeno Connect on CS25 plus is a utility to configure the new Leica Zeno smart antennas and to stream NMEA. Leica Zeno Connect on CS25 plus is supporting the CS25 plus. Protected.
788 869	GSW1001	Leica Zeno Connect on CS25 Demo.
		Demo license which allows to demonstration of Zeno Connect on CS25. 1-year expiry. Protected.
Zer	no Connect for A	ndroid & iOS can be downloaded in the according App Store. All other Leica software



Leica GNSS/GIS Rover Packages

9 Leica GNSS/GIS Rover Packages with Leica Zeno Mobile/Connect

9.1 Leica Zeno Packages for FLX100

Leica Zen	Leica Zeno FLX100 Handheld Packages		
6015968	FLX100 Handheld Start package with Zeno Mobile	GNSS Handheld Starter package that includes: Leica Zeno FLX100 smart antenna including multi-constellation support (GPS, Glonass, Galileo and Beidou). power adapter, Typ C charging cable, USB C to USB A cable, AZ222 Arm/Belt pouch for FLX100, AZ221 Softbag for FLX100, AZ220 Universal handheld tray and Zeno Mobile Professional with 1 year Software Maintenance.	
6015969	FLX100 Handheld Start package for 3rd party	GNSS Handheld Starter package that includes: Leica Zeno FLX100 smart antenna including multi-constellation support (GPS, Glonass, Galileo and Beidou). power adapter, Typ C charging cable, USB C to USB A cable, AZ222 Arm/Belt pouch for FLX100, AZ221 Softbag for FLX100, AZ220 Universal handheld tray. Install Zeno Connect from the app stores in order to use 3rd party software.	
Leica Zen	o FLX100 Pole P	Packages	
6015970	FLX100 Pole Start package with Zeno Mobile	Pole Starter pack that includes: Leica Zeno FLX100 Smart Antenna including multi-constellation support (GPS, Glonass, Galileo and Beidou), power adapter, Typ C charging cable, USB C to USB A cable, AZ222 Arm/Belt pouch for FLX100, AZ221 Softbag for FLX100, Zeno Tab 2 Android tablet, AZ300 Pole Mount Kit for Zeno Tab 2, GLS30 GPS telescopic carbon-fibre pole, AZ219 5/8 pole mount to attach a FLX100 to a Leica GNSS pole, Pole Mount Kit for Zeno Tab 2, Zeno Mobile Professional with 1 year Software Maintenance.	

6015971 FLX100 Pole Start

Start
package for
3rd party

Pole Starter pack that includes: Leica Zeno FLX100 Smart Antenna including multi-constellation support (GPS, Glonass, Galileo and Beidou), power adapter, Typ C charging cable, USB C to USB

Glonass, Galileo and Beidou), power adapter, Typ C charging cable, USB C to USB A cable, AZ222 Arm/Belt pouch for FLX100, AZ221 Softbag for FLX100, Zeno Tab 2 Android tablet, AZ300 Pole Mount Kit for Zeno Tab 2, GLS30 GPS telescopic carbon-fibre pole, AZ219 5/8 pole mount to attach a FLX100 to a Leica GNSS pole, Pole Mount Kit for Zeno Tab 2. Install Zeno Connect from the app stores in order to use 3rd pary software.

9.2 Leica Zeno Packages for FLX100 plus

Leica Zeno FLX100 plus Handheld Packages

6017821	FLX100 plus Handheld Start package with Zeno Mobile	FLX100 plus Handheld Starter package that includes: Leica Zeno FLX100 plus Smart Antenna including multi-constellation support (GPS, Glonass, Galileo and Beidou). Comes with power adapter, USB-C charging cable, USB-C/USB-A cable, AZ222 Arm/Belt pouch for FLX100 (plus), AZ221 Softbag for FLX100 plus, AZ220 Universal Handheld Tray for FLX100 plus and Zeno Mobile Professional with 1 year Software Maintenance.
6017822	FLX100 plus Handheld Start package for 3rd party	FLX100 plus Handheld Starter package for 3rd party software that includes: Leica Zeno FLX100 plus Smart Antenna including multi-constellation support (GPS, Glonass, Galileo and Beidou). Comes with power adapter, USB-C charging cable, USB-C/USB-A cable, AZ222 Arm/Belt pouch for FLX100 plus, AZ221 Softbag for FLX100 plus, AZ220 Universal Handheld Tray for FLX100 plus. Install Zeno Connect from the app stores in order to use 3rd party software.
Leica Zeno	o FLX100 plus P	ole Packages
6017823	FLX100 plus Pole Start packagewith Zeno Mobile	FLX100 plus Pole Starter package with Zeno Mobile that includes: Leica Zeno FLX100 plus Smart Antenna including multi-constellation support (GPS, Glonass, Galileo and Beidou). Comes with power adapter, USB-C charging cable, USB-C/USB-A cable, AZ222 Arm/Belt pouch for FLX100 plus, AZ221 Softbag for FLX100 plus, Zeno Tab 2 Android tablet, AZ300 Pole Mount Kit for Zeno Tab 2, GLS30 GNSS telescopic pole, AZ219 5/8 pole mount to attach a FLX100 plus to a Leica GNSS pole, Zeno Mobile Professional with 1 year Software Maintenance.

6017824	FLX100 plus	FLX100 plus Pole Starter package for 3rd party software that includes:
	Pole Start	Leica Zeno FLX100 plus Smart Antenna including multi-constellation support
	package for	(GPS, Glonass, Galileo and Beidou). Comes with power adapter, USB-C charging
	3rd party	cable, USB-C/USB-A cable, AZ222 Arm/Belt pouch for FLX100 plus, AZ221
		Softbag for FLX100 plus, Zeno Tab 2 Android tablet, AZ300 Pole Mount Kit for
		Zeno Tab 2, GLS30 GNSS telescopic pole, AZ219 5/8 pole mount to attach a
		FLX100 plus to a Leica GNSS pole. Install Zeno Connect from the app stores in
		order to use 3rd party software.

9.3 Leica Zeno Packages for GG04 plus

Leica Zeno Mobile Packages for GG04 plus

6015434	GG04 Plus Tablet Solu- tion 2	The GG04 plus Tablet Solution 2 package is a ready to start pack that includes: a Leica Zeno Tab 2 Android tablet, a GG04 plus Professional smart antenna, Zeno Mobile Professional, 1 year Zeno Mobile on Android phone/tablet CCP, a GLS30 carbon fibre pole, Hard Container for Zeno GG04 plus Rover, Zeno Tab 2 pole mount, a GEB212 battery and a GLK311 battery charger.
6014276	LZGGZM	The GG04 plus Zeno Mobile package is a ready to start pack that includes: a GG04 plus Professional smart antenna, Zeno Mobile Professional, 1 year Zeno Mobile on Android phone/tablet CCP, a GLS30 carbon fibre pole, a Hard Container for Zeno GG04 plus Rover, a GEB212 battery and a GLK311 battery charger.

Care Packages

10 Customer Care Packages



A wide selection of comprehensive Customer Care Packages (CCPs) is available bundling Hardware Maintenance, Software Maintenance, Customer Support and Extended Warranty.

For more information about the CCP offering in your country please contact your local Leica Geosystems organization or distribution partner.

Trademarks

11 Trademarks

 $ArcPad^{m}$ is a registered trademark of Environmental System Research Institute Inc. Redlands, USA. ESRI word mark is owned by ESRI Inc, USA.

The *Bluetooth*® word mark and logos are owned by Bluetooth SIG, Inc. and any use of such marks by Leica Geosystems AG is under license.

SD is a trademark of the SD Card Association.

Microsoft, Windows® and the Windows logo are either registered trademarks or trademarks of Microsoft Corporation in the United States and / or other countries.

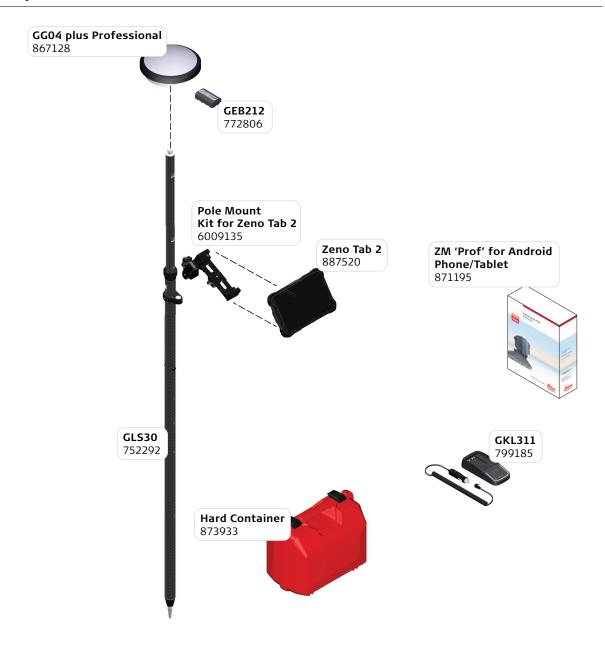
Android $\ \ \$ is a trademark of Google Inc.

Apple is a trademark of Apple Inc., registered in the U.S. and other countries.

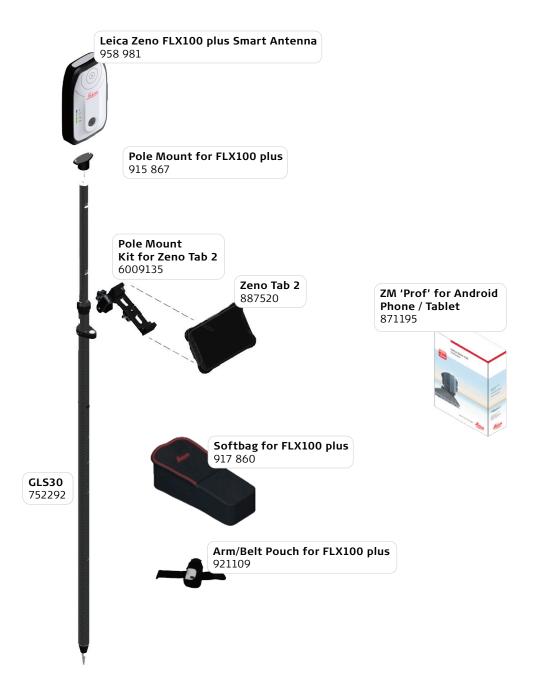
IOS is a trademark or registered trademark of Cisco in the U.S. and other countries and is used under license. Other trademarks and trade names are those of their respective owners.

Suggested Packages

12 GG04 plus Tablet Solution (6015434)



13 FLX100 plus Pole Start Package (6017823)



Hexagon is a global leader in digital reality solutions, combining sensor, software and autonomous technologies. We are putting data to work to boost efficiency, productivity, quality and safety across industrial, manufacturing, infrastructure, public sector, and mobility applications.

Our technologies are shaping production and people-related ecosystems to become increasingly connected and autonomous – ensuring a scalable, sustainable future.

Hexagon's Geosystems division provides a comprehensive portfolio of digital solutions that capture, measure, and visualise the physical world and enable data-driven transformation across industry ecosystems.

Hexagon (Nasdaq Stockholm: HEXA B) has approximately 22,000 employees in 50 countries and net sales of approximately 4.3bn EUR. Learn more at hexagon.com and follow us @HexagonAB.



Illustrations, descriptions and technical specifications are not binding and may change. Printed in Switzerland - Copyright Leica Geosystems AG, Heerbrugg, Switzerland, 2022. 776619 - 7.1.0en - VII.22

