

# SL100

## GNSS LAND LEVELING SYSTEM

### FEATURES

- Easy Installation
- 4G & UHF Transmission
- Centimeter-Level Accuracy
- 24/7 All-Weather Operation



### RUGGED ALL-IN-ONE DESIGN

The SL100 land leveling system combines the T10 GNSS tablet, solenoid valve controller and GNSS antenna with user-friendly software, making the installation of the system on the tractor very convenient. Designed for harsh environment, the SL100 GNSS land leveling system is ready to give the best performance.

### ALL-WEATHER WORK FOR HIGH EFFICIENCY

Compared with the traditional laser land leveling system method, the SL100 will no longer be limited to the weather, distance or terrain where the system is used, realizing 24/7 all-weather working. It works whenever and wherever you need it, greatly improving work efficiency. The SL100 creates the best value for your project.

### STRONG COMPATIBILITY

The simple system component of SL100 makes it easy to install and compatible with most land levelers. By using an external D1-D radio, the SL100 can be used with most base stations on the market in radio mode. The T10 GNSS Tablet has a built-in dual SIM and dual standby 4G modem for easy connection to your local CORS network.

## LEVELING PERFORMANCE

Elevation control accuracy ± 20mm

## T10 GNSS Tablet

### GNSS

GPS	L1C/A, L2P (Y), L2C, L5
GLONASS	G1, G2
BDS	B1I, B2I, B3I
Galileo	E1, E5a, E5b
QZSS	L1, L2, L5
RTK Accuracy	H: 8mm+1ppm V: 15mm+1ppm
Data Format	RTCM V3.X, NMEA-0183
Data Output Rate	Maximum 20Hz

### SYSTEM

Operation System	Android 6.0
CPU	Quad Core 1.5GHZ
Memory	2GB RAM+16GB ROM
Flash	T flash, up to 64GB

### LCD DISPLAY

Screen	10.1" screens with sun readable capacitive touch screen
Resolution	1024×600 pixels

### COMMUNICATIONS

WIFI	2.4GHz IEEE 802.11 a/b/g/n
4G	FDD-LTE (Band 800 / 1800 / 2100 / 2600 MHz) TD-LTE (Band 1900 / 2300 / 2500 / 2600 MHz) WCDMA (Band 850 / 900 / 1900 / 2100 MHz) GSM/GPRS/EDGE (Band 850 / 900 / 1800 / 1900 MHz)
Bluetooth	V4.1
USB Port	1×USB2.0 (Host & Debug)
Serial Port	2×RS232, 1×RS485
CAN Port	2×CAN (J1939, CANOpen, ISO15765)
Ethernet	1×RJ45(100M Ethernet)

### ELECTRICAL

Input voltage	9-36 VDC
Power consumption	≤4.5W

### PHYSICAL

Size	281×181×42mm
Weight	1.5 Kg

### ENVIRONMENTAL

Environmentally Sealed Type	IP67, Waterproof and dustproof
Shock	Designed to survive a 2m drop onto concrete
Operating temperature	-20 °C to + 70 °C (-4 °F to 158 °F)
Storage temperature	-40 °C to + 85 °C (-40 °F to 185 °F)
Humidity	100% non-condensing

## SA102 GNSS Antenna

Frequency Range	- BDS: B1I, B2I, B3I, B1C, B2a, B2b1 - GPS: L1 C/A, L1C, L2P, L2C, L5 - GLONASS: G1, G2, G3 - Galileo: E1, E5a, E5b, AltBoc - QZSS: L1, L2, L5 - SBAS: Support - L-Band: Support
LNA Gain	36±2dB
Dimension	Φ150×58.4mm
Connector	TNC-K
Weight	≤400g
Mounting Configuration	5/8"x 11 Threaded
Operating Temperature	-45°C to +70°C
Environmentally Sealed Type	IP67

## Controller

Model	TC20
Environmentally Sealed Type	IP65, Waterproof and dustproof
Voltage	12 VDC
Operating temperature	-20 °C to + 70 °C (-4 °F to 158 °F)

## D1-D External Radio (Optional)

Working mode	Tx&Rx
Frequency	410-470 MHz
Power	1W
Protocol	Transparent, TT450s
Channel spacing	12.5Khz
Input voltage	6-28 VDC
Power consumption	≤4.5W
Operating temperature	-40 °C to + 70 °C (-40 °F to 158 °F)
Humidity	100% non-condensing
Environmentally Sealed Type	IP67, Waterproof and Dustproof
Shock	Designed to survive a 2m drop onto concrete

## External Camera (Optional)

Resolution	720×576 pixels
CMOS	1/3" CMOS
Input voltage	12-24 VDC
Mode of lighting	Infrared
Environmentally Sealed Type	IP67
Night vision	Infrared night vision

## Standard Package

T10 GNSS Tablet	×1
Controller	×1
T10 Tablet Bracket	×1
SA102 GNSS antenna	×1

All specifications are subject to change without notice.