

# XSITE® PAD WORKSITE TABLET

for worksite managers and  
surveyors

Xsite® PAD - Worksite tablet  
With LANDNOVA X -software

# EASIER AND FASTER WORKSITE MANAGEMENT

**"Xsite® PAD is like a 3D machine control system for worksite managers and surveyors"**

Xsite® PAD contains the same top features as the Xsite® PRO 3D machine control system, but its functions are designed for the needs of surveyors and worksite management personnel.

The user interface and features follow the same principles as Xsite's 3D machine control system, which eases the communication between managers and machine operators.

## Tilt compensation

Xsite® PAD's rugged and accurate smart GNSS antenna comes with tilt compensation, so you'll be able to make precise measurements even with a tilted rod.



Xsite® PAD uses the LANDNOVA X 3D software offering a full support for model based workflow.



## DISPLAY

**Size:** 7"  
**Type:** LCD-touchscreen  
**Resolution:** WXGA 1280x800  
**Enclosure rating:** IP67



## DATA TRANSFER

**Xsite® MANAGE** -compatible  
**Infakit** -compatible  
**Gemini** -compatible  
**Bluetooth** 4.0 (+EDR, BLE)  
**WiFi** (2.4GHz and 5GHz)  
**4G LTE**



## SUPPORTED FORMATS

**2D maps:** DXF  
**Point models:** DXF, XML, GT, SCV, KOF, PXY  
**Line models:** VGP, SBG, XML, Anpakke  
**Surface models:** DXF, XML

## Make terrain markings for the planning and construction phases

With the Xsite® PAD, you can mark i.e. temporary traffic arrangements, general site usage areas, storage areas, and detour routes easily and quickly.

You can also perform surveying tasks yourself with centimeter accuracy and decrease idle time on site. No need for unnecessary waiting for a surveyor to visit the site!



## Create 3D models on site

The built-in model tool of the Xsite® PAD enables you to create simple 3D models of building foundations or temporary structures such as storage areas, for example.

## Share project data

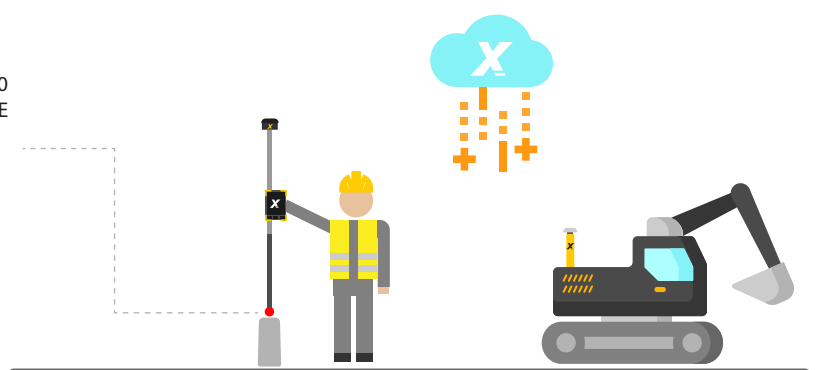
Collected point data, as well as self-created 3D models, can be easily transferred to the machines on the same project via the Xsite® MANAGE cloud service.

With the cloud service, the point data collected with 3D machine control by the machine operators is displayed on the screen of the Xsite® PAD, which makes it easier to monitor the project's progress.



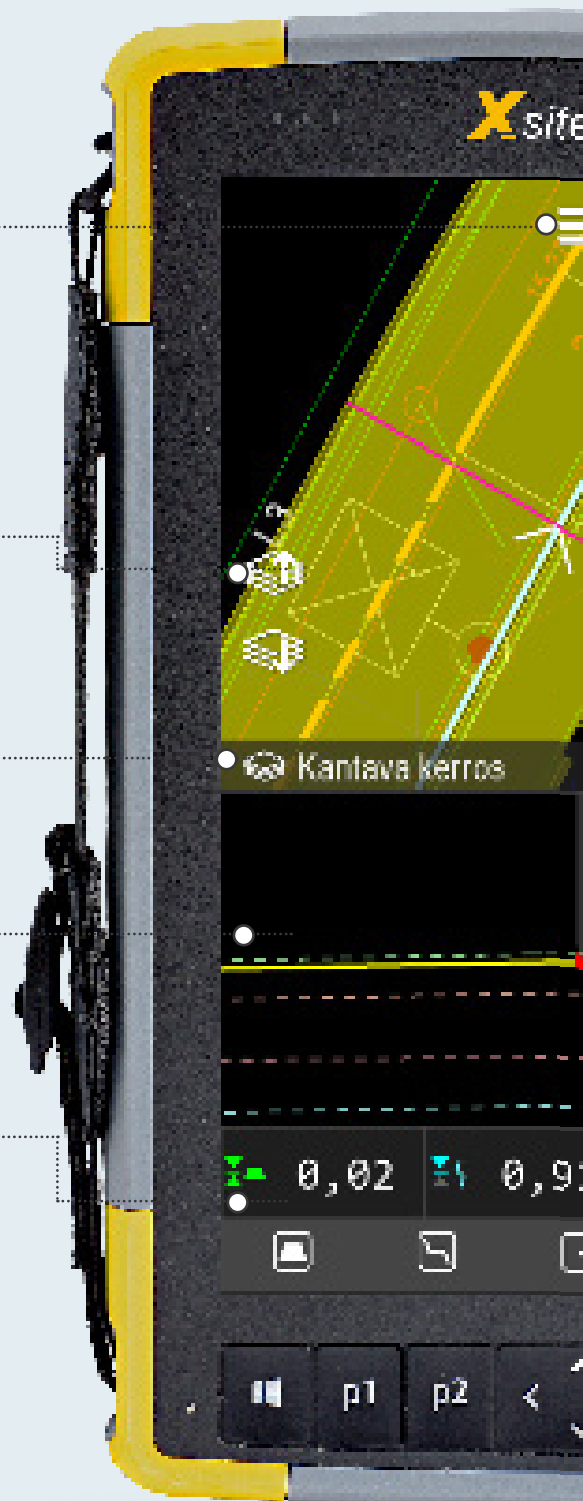
As-built data collected with Xsite-systems contain more than just point coordinates.

```
X: 6782261.46, Y: 21530729.08, Z: 23.10  
OBJECTNAME: LIGHTPOSTUPPERSURFACE  
POINT ID: 10  
POINT NAME: AS-BUILT  
HIGH DEVIATION TO PLAN: 0.01  
SIDEWAY DEVIATION TO PLAN: 0.01  
TIME: 08:24:20 DATE: 20.05.2022  
POSITIONING ACCURACY: 0.01
```



# XSITE<sup>®</sup> PAD - USER INTERFACE

- Main menu
- Change surface model  
(Next up/down)
- Selected surface and line
- Profile view
- Measuring values



The user interface and features of the Xsite PAD follow the same principles as Xsite's 3D machine control system, which eases the communication between managers and machine operators.



Selected center line and station number

Change map view

Your location and heading

Map view

Document as-built information

Change between shown measuring values



### Remote support

Xsite's reliable and fast remote support service is available for Xsite® PAD.

Contact your local dealer for more information!

# XSITE<sup>®</sup> ROVER -SMART ANTENNA

## TECHNICAL INFORMATION

### GNSS Receiver Specifications

Receiver Type:	Multi-Frequency GPS, GLONASS, BeiDou, Galileo, QZSS, IRNSS, and Atlas L-band
Signals Received:	GPS L1CA/L1P/L1C/L2P/L2C/L5 GLONASS G1/G2/G3, P1/P2 BeiDou B1i/B2i/B3i/B10C/B2A/B2B/ ACEBOC GALILEO E1BC/E5a/E5b/E6BC/ALTBOC QZSS L1CA/L2C/L5/L1C/LEX IRNSS L5 Atlas
Channels:	800+
RTK Formats:	RTCM2.1, RTCM2.3, RTCM3.0, RTCM3.1, RTCM3.2 including MSM
Recording Intervals:	Selectable from 1, 2, 4, 5, 10 Hz (20 Hz or 50 Hz optional)

### Accuracy

Positioning:	RMS (67%)	2DRMS (95%)
Autonomous, no SA: <sup>1</sup>	1.2 m	2.4 m
SBAS: <sup>1</sup>	0.3 m	0.6 m
RTK: <sup>1,2</sup>	8 mm + 1 ppm	15 mm + 2 ppm
Static Performance: <sup>1</sup>	2.5 mm + 1 ppm	5 mm + 1 ppm
Initialization Time:	< 10 s	
Tilt Compensation (Within 30°)	2 cm (with 1.8 m pole)	

### L-Band Receiver Specifications:

Receiver Type:	Single Channel
Frequency Range:	1525 to 1560 MHz
Sensitivity:	-130 dBm
Channel Spacing:	5.0 kHz
Satellite Selection:	Manual and Automatic
Reacquisition Time:	15 seconds (typical)

### Communications

Bluetooth:	Bluetooth 2.1+EDR / 4.0 LE
Wi-Fi:	802.11 b/g
Network:	LTE FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/ B18/B19/B20/B25/B26/B28 LTE TDD: B38/B39/B40/B41 UMTS: B1/B2/B4/B5/B6/B8/B19 GSM: B2/B3/B5/B8
Radio:	Frequency range: 410MHz ~ 470MHz and 902.4MHz ~ 928MHz Channel Spacing: 12.5 KHz / 25 KHz Protocol: TrimTalk 450S, PCC EOT, TrimMark III(19200)
WebUI:	To upgrade software, manage status and settings, data download, via smartphone, tablet or other electronic device, configure advanced radio settings



## Connector Ports

TNC:	For connecting to UHF radio antenna
LEMO 5-pin:	For connecting to external power supply, external radio
LEMO 7-pin:	For serial port, USB
Card Slots:	For Micro SIM card and Micro SD card

## Data & Storage

Storage Type:	8 GB internal, SD card up to 32 GB
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## Physical

Weight:	1.19 kg (1 battery), 1.30 kg (2 batteries)
Dimensions:	156 x 76 mm

## Environmental

Operating	
Temperature:	-30°C ~ +65°C
Storage	
Temperature:	-40°C ~ +80°C
Protection:	IP67. Protected from temporary immersion to a depth of 1 m
Shock Resistance:	
	MIL-STD-810G, method 516.6.
	Designed to survive a 2 m pole drop on concrete floor.
	Designed to survive a 1 m free drop on hardwood floor
Humidity:	Up to 100%
Vibration:	MIL-STD-810G, method 514.6E-I
Inflammability:	UL recognized, 94HB Flame Class Rating (3) 1.49 mm
Chemical	
Resistance:	Cleaning agents, soapy water, industrial alcohol, water vapor, solar radiation (UV)

## Electrical

Input Voltage:	9 to 28 V DC
Battery:	With removable dual battery, for single battery parameter: 7.2 V, 3400 mAh, 24.48 Wh
Working Time:	12 hours in Rover UHF mode (2 batteries)

## User Interface

Button:	Switch receiver on/off, broadcast current operation mode and status
LEDs:	Power, Satellite, Data Link, Bluetooth
WebUI:	Supports software updates, receiver status and settings, and data downloads via smartphones, tablets, or other Wi-Fi capable devices.

1. Depends on multipath environment, number of satellites in view, satellite geometry, and ionospheric activity  
 2. Depends also on baseline length



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@xsitemachinecontrol

## BRING OUT THE BEST

Xsite<sup>®</sup> Machine Control improves the productivity and accuracy of your work at every stage of your construction projects.

Cut your operating and maintenance costs, increase work safety and bring out the best in your staff and fleet!

Find your local Xsite<sup>®</sup> dealer. Visit:  
[XSITEMACHINECONTROL.COM](https://xsitemachinecontrol.com)

### Need something else?

Xsite<sup>®</sup> Machine Control systems are **developed together with our customers, machine operators and construction companies** all over the world, to provide the best systems for any construction project.

Don't hesitate to contact your local Xsite<sup>®</sup> dealer for any feedback or development idea on our products.

**Xsite<sup>®</sup>**  
MACHINE CONTROL