iDig

Intuitive excavator guidance

FOR ALL EXCAVATORS AND ALL APPLICATIONS

2D 2D+ 3D

CONNECT RANGE

MADE IN EU

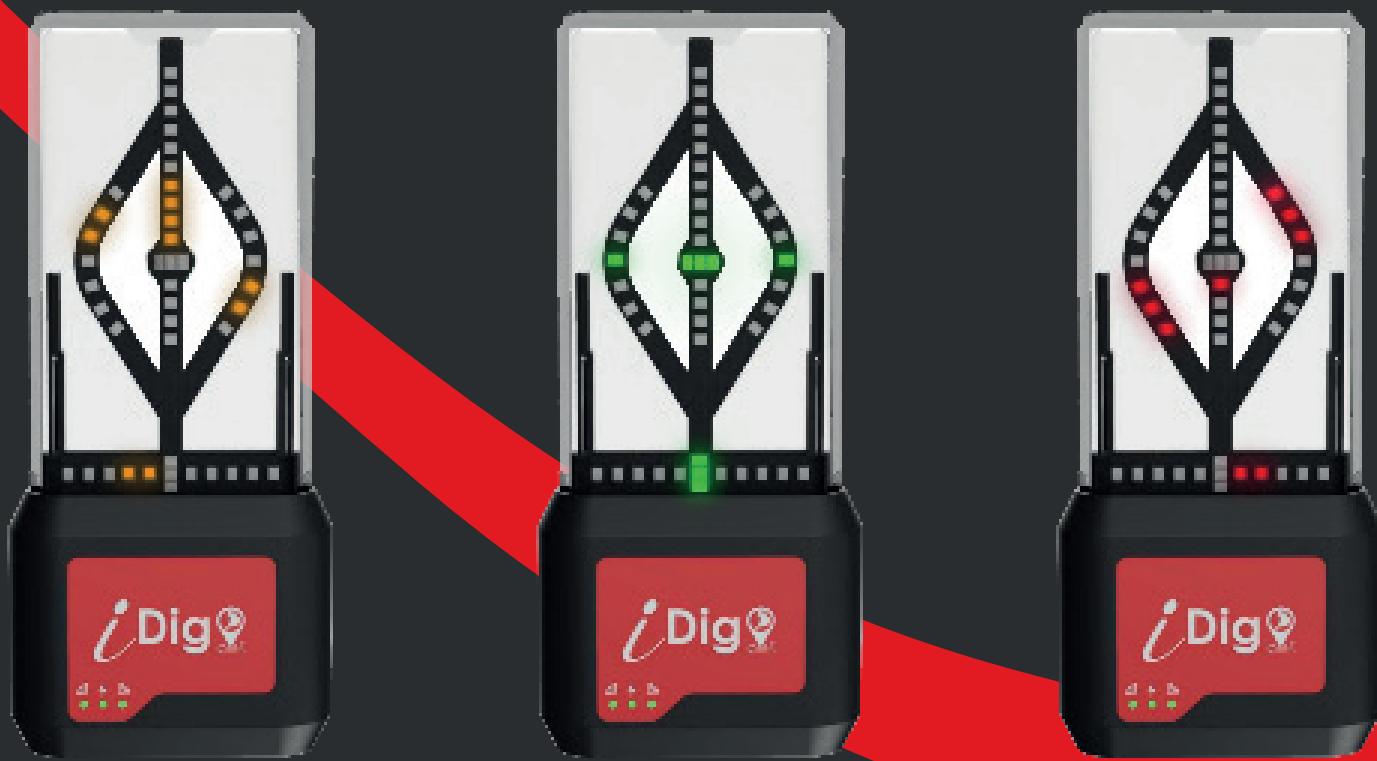
Why choose the iDig system ?

Work faster, more accurately and safer with iDig

Since 2007, iDig has been improving the daily life of thousands of excavator operators worldwide.

A leader in 2D machine control, iDig has designed two ranges of excavator grade control systems to meet the needs of all excavator operators : the TOUCH range with its intuitive 2D and the CONNECT range which is upgradable from 2D to 3D.

Never before has it been so easy to track the desired depths, slopes and distances to the nearest centimetre at the level of your bucket's teeth. No need to get out to check grade, just follow the control box indications and **the light bar** turns green when you dig correctly to the entered specifications and yellow or red when you don't.



Advantages

LTI-MACHINE

One system for all your machines. Easily transfers in minutes to any size excavator including double-boom.

WIRELESS

No cables outside of the cab. Super-fast sensors update 100x per second using Bluetooth 5 technology and a solar charged battery.

SAFETY

With automatic grade checking, entry into the trench is not required so workers can carry out more profitable tasks. Working alone safely, go faster and avoid the risk of accidents. Display existing utility drawings on-screen or use the machine to measure new as-built services.

INTUITIVE

Install, calibrate and start work within 2 hours. Create a task on the screen or import a design.

AFFORDABLE

Increase profits with a simple and effective tool with the best quality to price ratio on the market. iDig has an exceptional track record for return on investment: often in less than a year.

Full 3D rendering : 3D navigation and perspective cross-section views.

Accepts digital terrain models in DXF or LandXML formats.

1

CONTROL BOX

Powerful and robust touchscreen equipment with patented software.

1

LED LIGHT BAR

LED display (green, orange, red)
Real-time accuracy

2

SENSORS

Wireless sensors
Solar charged battery
Multi-machine

3

GNSS* SPOTMAN

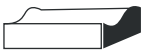
Available in 2D+ and 3D versions
Survey, control, measure all your points and delimit your job site
*GPS

APPLICATIONS

GROUND TYPES


Flat


Slope


Longitudinal axis
Typical cross-section

CONSTRUCTION | LANDSCAPING | SWIMMING POOLS | FOUNDATIONS
CIVIL ENGINEERING | DRILLING | CAR PARKS

Excavator machine control with laser

2D+ upgradeable

All the advantages of the TOUCH range with the possibility of continuing the journey anytime to 2D+ with the GNSS Spotman and 3D by uploading your job site projects and by carrying them out yourself.

Excavator machine control without laser

Surveys and layouts

GNSS SpotMan

Install the GNSS to the excavator, transform the CONNECT 2D into 2D+ package, completely eliminating the use of a reference laser. Detach the GNSS Spotman and with the touch of a button, begin recording data on screen. Measure the location of buried services, calculate a surface, measure distance and more.

Create and read plans

Excavator guidance + project on control box

Surveys and layouts

GNSS SpotMan

Localise job site

Create a project, import design data and start digging in minutes. The screen displays the 3D model and the required depth to dig, updated in real-time. No design ? Create a model from within the cab.

CONNECT 3D uses a single removable GNSS to survey or locate points. iDig offers Spotman although iDig 2D+ & 3D are versatile and compatible with other GNSS. Detach Spotman in a flash and survey points. Paired with iPoint software, easily calculate area or volume, measure data and stake points.

Become more independent in creating simple designs yourself. Design data can be imported from anywhere in the world with an internet connection along with USB transfer. The iDig open-style platform accepts data from Dropbox, Google Drive, Onedrive and many other cloud services.

How does Spotman CT140T GNSS work with the iDig?

A VERSATILE 3 in 1 SOLUTION

For CONNECT 2D+ & 3D

- A 3D system that works with a single antenna GNSS.
- Detachable for surveying points with a rod.
- The **Spotman** has a **Tilt** feature that will correct the rod not being vertical and avoid errors.
- Intuitive and user-friendly, beginners can set up in less than a half a day.

Survey the job site and locate buried utilities to make your estimates. Draw up your plan according to the calculations in the drawing.

Create your own project with CONNECT 3D, no longter need for stakes to mark out the area. Set up the reference points on your site yourself with the CONNECT 2D+.

Locate your bucket, be guided, and dig with precision by following either your project with CONNECT 3D or the dimensions taken with CONNECT 2D & 2D+.

PRODUCT COMPARISON

2D

Excavator machine control with laser

2D+ upgradeable

2D+

Excavator machine control without laser

Surveys and layouts

GNSS SpotMan

3D

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Excavator guidance + project on control box

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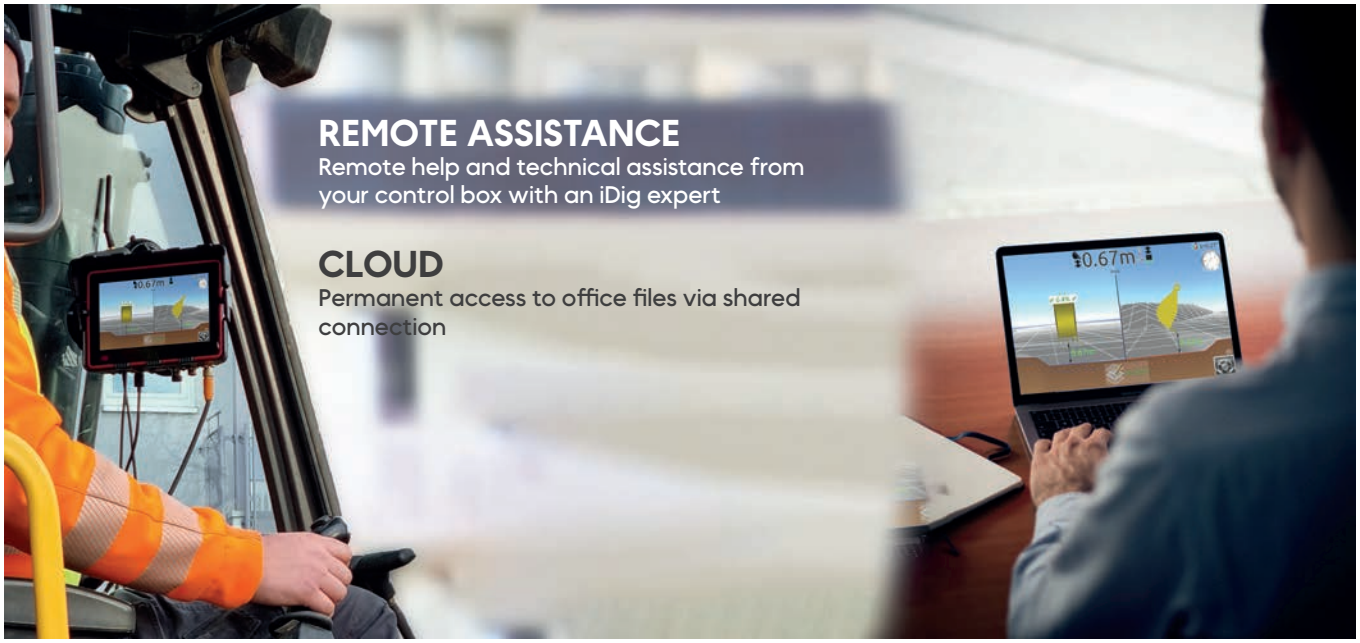
Localise job site



CHARACTERISTICS

SENSOR 	Solar charged battery Sensor Dimensions Combo : 70 x 100 x 25 mm - 242g Mini Sensor: 55 x 75 x 25 mm - 153g IP Waterproof - iP67
CONTROL BOX	Touchscreen - Touch 7 (~18 cm)
SENSOR UPDATE RATE	100Hz
MEMORY	> 1,000 machines > 1,000 buckets
STORAGE SPACE (Projects+ machines)	32 GB
OPERATING TEMPERATURE	-20°C to +70°C

Dealer's stamp :

www.idig-system.com