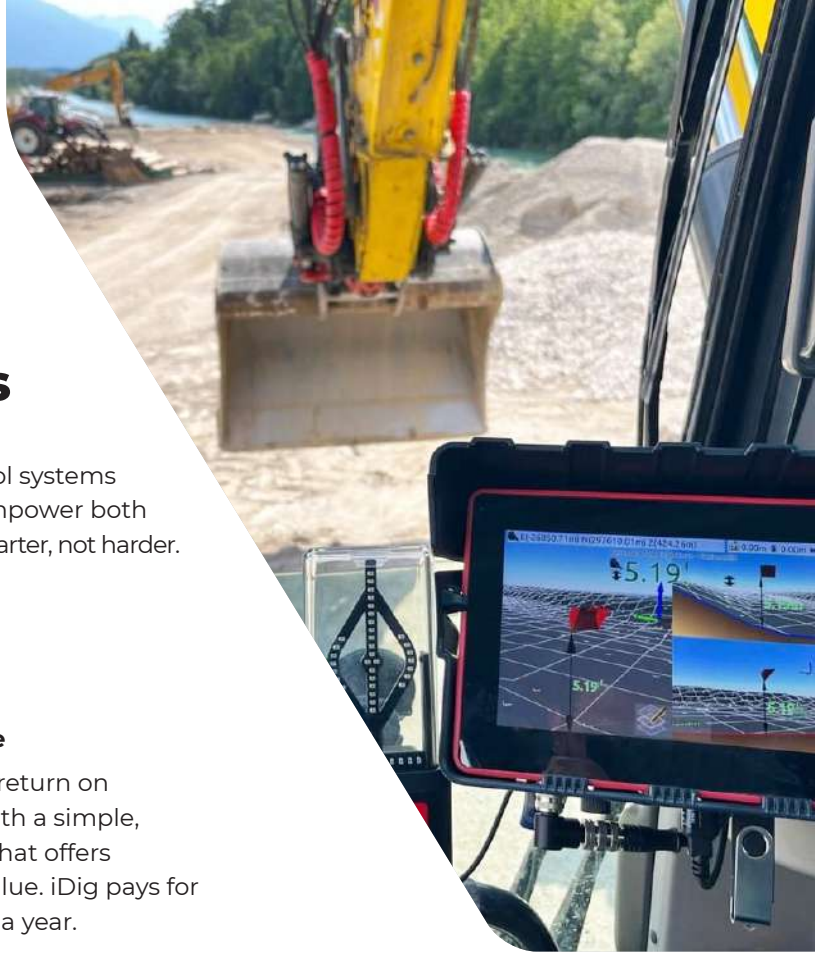
iDig

Boost your Excavator

2D 3D

CONNECT

iDig is the Leader in 2D Excavator Machine Control with Wireless Sensors



iDig develops cutting-edge wireless machine control systems powered by solar-charged sensors. Our solutions empower both owner-operators and major industry players to work smarter, not harder.

Intuitive

An intuitive system that is quick to install, simple to calibrate and easy to use without extensive training.

Cost-Effective

Enjoy a quick return on investment with a simple, efficient tool that offers exceptional value. iDig pays for itself in under a year.

Multi-machine

Requiring just a set of sensor plates, equip additional excavators for very little cost. Switch from machine to machine in minutes.

Safety

iDig lets you work autonomously, eliminating a grade checker or the need to leave your machine to check grade, boosting efficiency and reducing accident risks.

No cables (Wireless)

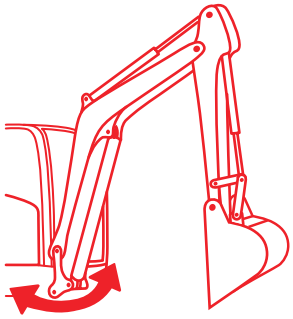
A wireless system featuring Bluetooth 5-enabled sensors powered by solar-rechargeable batteries, allowing for fast installation without the need for special modifications to any machine.

Control Box

Powerful and robust 7 inch tablet with patented software.

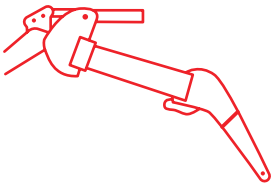
Compatible Attachments

Customize your iDig according to your machine configuration.

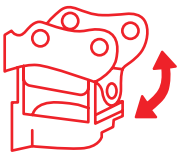


Swing Boom

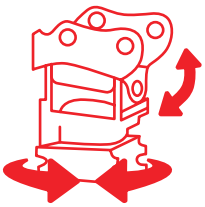
Knuckle Boom



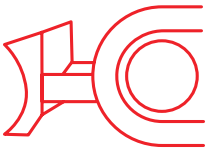
Double Deported Arm



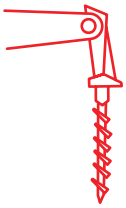
Bucket or Tilt Attachment



Tilt Rotator



Front Blade



Auger - Clamshell

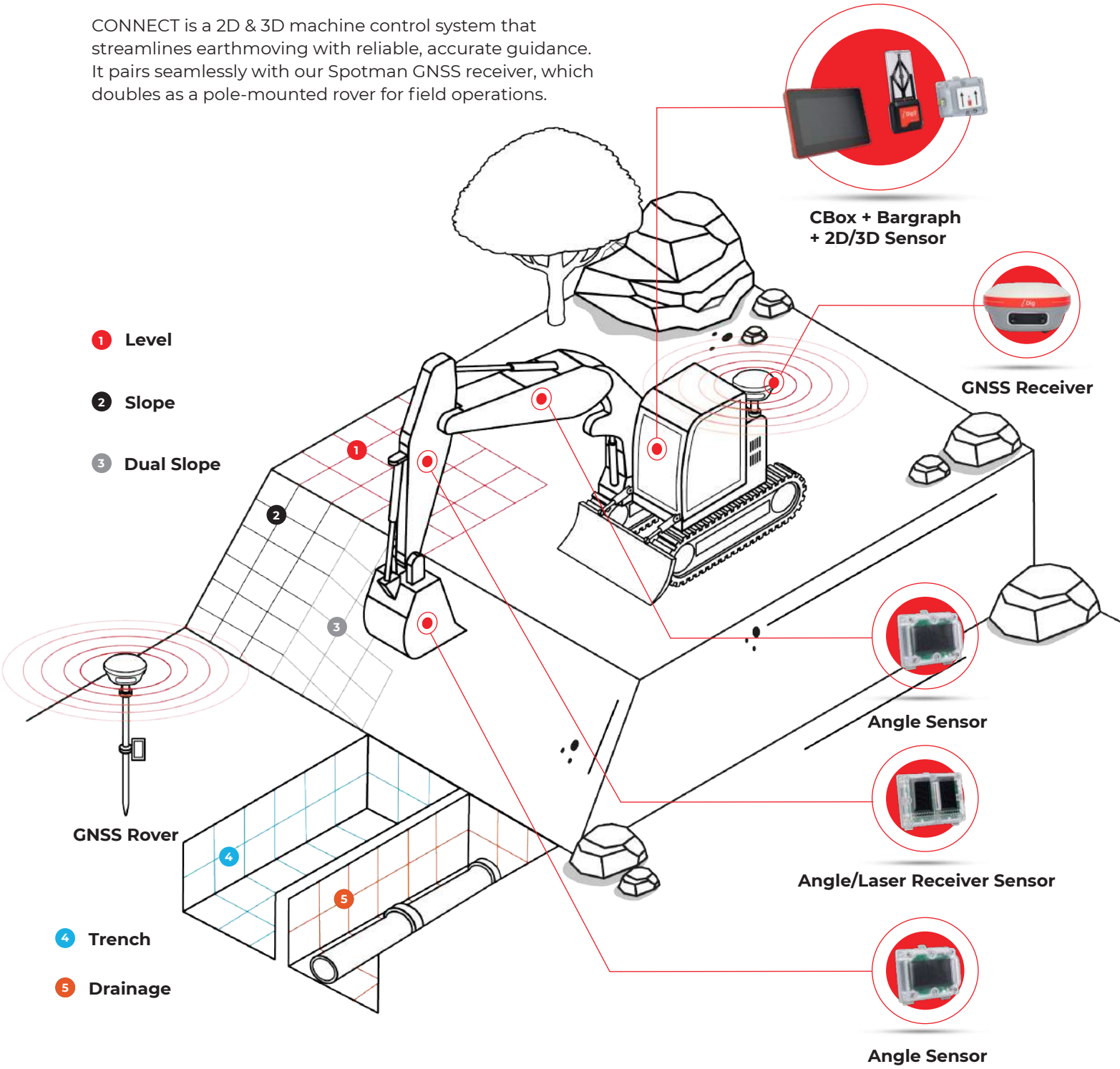
LED Bargraph

An in-cab assistant, positioned within your field of vision, helping you position your bucket with precision. The color-coded LEDs guide you to achieve your desired measurements.

Depth, Distance & Slope

Master Every Grade From Your Cab

CONNECT is a 2D & 3D machine control system that streamlines earthmoving with reliable, accurate guidance. It pairs seamlessly with our Spotman GNSS receiver, which doubles as a pole-mounted rover for field operations.



Applications

LANDSCAPING | FOUNDATIONS | ROAD & UTILITY NETWORKS | URBAN PLANNING | DRAINAGE | GREEN AREAS | SWIMMING POOLS

Intuitive Machine Control

CONNECT is an upgradable machine control system designed to grow along with your business. Whether you're just starting out or scaling up, CONNECT adapts to your needs, your budget, and your learning curve.

Start with CONNECT 2D, move up to CONNECT 2D PROJECT for enhanced capabilities and finally step into 3D with CONNECT 3D.

CONNECT 2D+

Built for flexibility and future upgrades: CONNECT 2D+ offers the same reliable performance as our flagship TOUCH 2D system with the added advantage of seamless upgrade options to CONNECT 2D PROJECT and then CONNECT 3D in the future.

Simplicity of use: Input your desired measurements directly into the control box and let the LED bargraph guide each dig with precision.

No grade checker required: Work faster and safer from the comfort of your cab without additional personnel on the ground.

GNSS Option: Add our Spotman GNSS to perform on-site surveying tasks with ease all by yourself.

2D+ upgradeable | **2D Guidance** | **Surveys and layouts** | **GNSS Spotman** | **Site localization** | **iPoint**

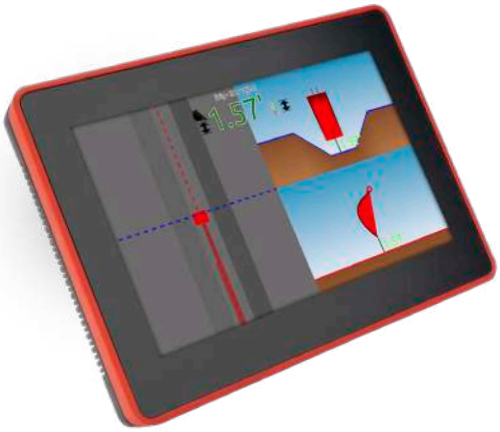
CONNECT 2D PROJECT

Create Projects with Ease: CONNECT 2D PROJECT is the go-to machine control solution for project creation and execution without requiring a surveyor.

Versatile Solution: This incredibly simple tool is ideal for small to medium-sized contractors seeking an all-in-one solution for machine guidance, layout and point setting without additional costs.

Import Ready-Made 3D Designs: Simply load your design into the control box and start working from the comfort of your cab.

GNSS Integration: Works perfectly with our Spotman GNSS (included in the package) enabling on-site localization and functioning like a rover for surveying tasks. Say goodbye to traditional stakes!



Create and read plans | **3D Guidance** | **Surveys and layouts** | **GNSS Spotman** | **Site localization** | **iPoint**

CONNECT 3D

Intuitive Software: CONNECT 3D is built with an intuitive software for creating and managing site projects entirely in 3D.

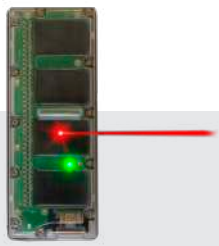
Unlimited file uploads: Import DXF or LandXML files via USB or the cloud with no file size or quantity restrictions.

GNSS Compatibility: Eliminate traditional staking by pairing it with our GNSS Spotman (included in the package) for accurate localization, layout and point setting.

Take full control of your project: A wide range of viewing options and tools allow in-depth understanding of the project directly from the cab.

Create and read plans | **3D Guidance** | **Surveys and layouts** | **GNSS Spotman** | **Site localization** | **iPoint**

Outstanding Features



Dynamic Laser Catch

Catch the laser effortlessly in 2D mode without stopping or shifting your machine. No repositioning, no interruptions. Just smooth, efficient operation from start to finish.

Joystick Button for Swing

Easily configure and activate features such as the Swing Function (with no extra sensors required), adjust bench height directly from your cab at the press of a button and much more.

Dual Antenna (Optional)*

CONNECT is built to work seamlessly with a unique, detachable GNSS receiver delivering maximum precision using accurate RTK corrections. For operators tackling custon-made projects an optional second GNSS antenna can be paired to the system.

* Available end of 2025

Spotman

Robust and Compact Design

Built for field conditions the Spotman receiver features a rugged construction that is both dustproof and waterproof to IP67 standards making it a reliable choice for challenging environments. Its is also designed to withstand a pole-drop from 6.5 ft (2m).

Integrated Tilt Sensor

Calibration-free IMU tilt compensation that is free from magnetic interference enabling easy measurement of hard to access areas.

Multifunctional

Spotman acts as a powerful, detachable GNSS receiver that can be used on a machine or as a survey rover. The receiver can also be configured as a Base Station to broadcast corrections across site.

Flexible Connectivity

Equipped with a built-in SIM slot for 4G connectivity, Spotman also communcates with UHF radio, WiFi and Bluetooth.

Multi-Constellation

Spotman captures up to 1408 signals from all major satellite constellations including GPS, GLONASS, Galileo, BeiDou and QZSS for maximum signal reliability and accuracy on any jobsite.

Autonomy

Internal Li-ion batteries offer up to 34 hours of continuous RTK rover operation and 16 hours of base operation, with external power support available.

*Battery life is subject to operating temperatures and mode.

iPoint

Combining Spotman with our iPoint Android software unlocks powerful capabilities, including surveying, setting out, and volume calculation, while streamlining your workflow and boosting on-site precision.

Product comparison

	CONNECT 2D+	CONNECT 2D PROJECT	CONNECT 3D
Dynamic Algorithm for laser catch, swing boom...	✓	✓	✓
Intuitive User Interface	✓	✓	✓
Wireless Sensor Communication	✓	✓	✓
Multi-Machine Compatibility	✓	✓	✓
Single GNSS Positioning	✓	✓	✓
Internet Base Station Correction	✓	✓	✓
Remote Support	✓	✓	✓
Dig with/without designs	✓	✓	✓
Create 3D In-field designs		✓	✓
Point, Line, and Surface Creation (3D)		✓	✓
3D Design Imports (e.g., DXF, LandXML)		✓	✓
Large Scale Projects (5 or more projects over 1640.42' in scale)			✓
3D Visualization of the Design & Bucket			✓

Specifications

Power Supply	**Solar Rechargeable Battery**
Sensors	**Waterproof sensor - iP67** **From 2.25 x 3 x 1 in to 2.75 x 4 x 1 in**
Memory	**100 machines each with 100 buckets**
Accuracy	**+/- 3/8 inch**
Operating temperature	**-4°F to 158°F**
CBox Screen Size & Resolution	**7" & 800x480px**

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Distributor/Dealer Stamp

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