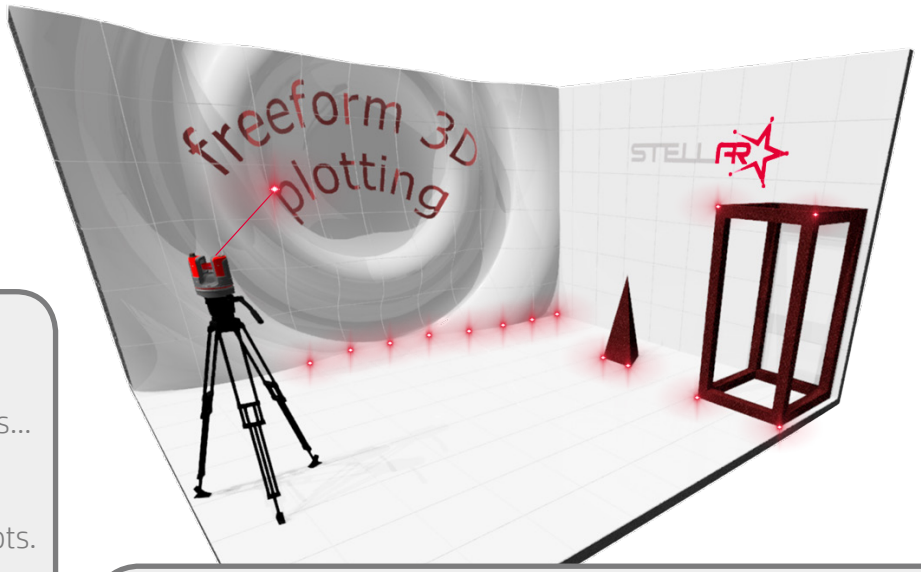
STELLAR

Take command of your installation

Stellar is a laser alignment tool for marking out and capturing points on any 3D surface in real space installations with speed and accuracy.



✓ **Mark**
Mark floors, walls, equipment, screens... any surface. Use a static laser dot or looping string of dots.

✓ **Measure**
Capture existing objects as point clouds using precision measurement.

✓ **Compare**
Compare as-built to as-designed for post-installation records.

✓ **From anywhere**
Mount the device anywhere within sight of targets.

✓ **Eliminate: Uncertainty**
The high precision laser pan tilt device and LIDAR measurement gives you command of your installation through an intuitive 3D control app and an Augmented Reality display.

✓ **Eliminate: Excessive alignment costs**
Match the real space to the design space using your 3D design model. Import the model and trace it out immediately.

✓ **Eliminate: Excessive data processing**
Use simple 3D data and controlled point clouds for simplicity and speed.

✓ **Eliminate: Difficulties**
Preserve sensitive and costly surfaces by marking with a laser dot. Mount Stellar out of your way, follow the app's simple location tools.

To learn more, visit

www.stlr.app

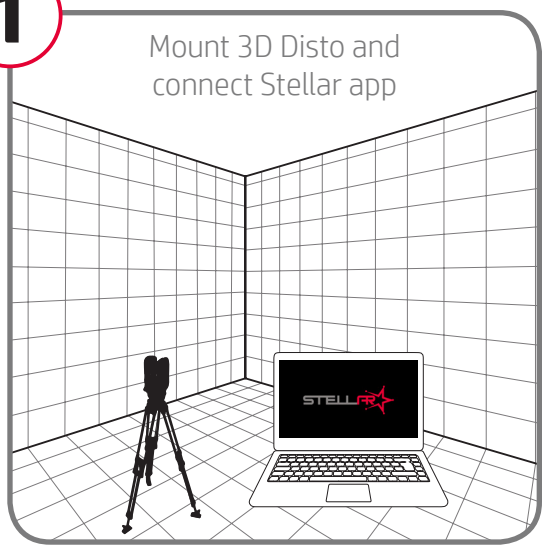
Technology by Arxine Limited, UK
www.arxine.com

Simple Workflow

Refer to the manual for detailed guidance.

1

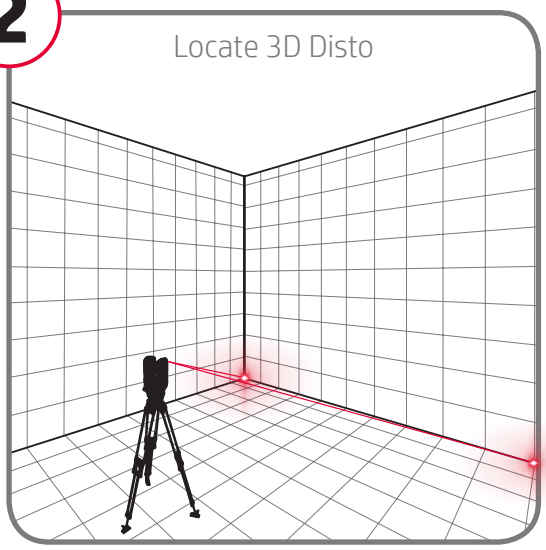
Mount 3D Disto and connect Stellar app



Optionally use a fixed mounting

2

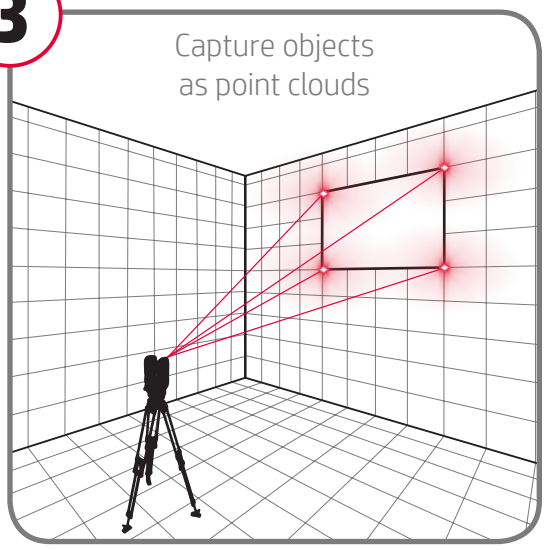
Locate 3D Disto



Simple and quick location and relocation tools

3

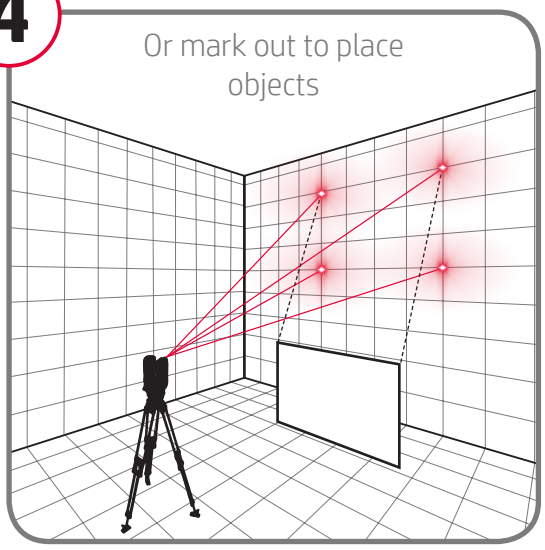
Capture objects as point clouds



Set your design to the real world

4

Or mark out to place objects



Set the real world to your design

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STELLAR

Wirelessly control 3D Disto

With a laptop or tablet by using the Stellar app.

Measure your real-world space.

Create your design model.

Implement your design in the real world.

Align precisely with Augmented Reality.

App Features:

- ✓ CAD interface with Tree View
- ✓ Self-location
- ✓ Laser pointing
- ✓ Laser drawing
- ✓ Camera view
- ✓ AR (Augmented Reality) Mode
- ✓ Manual measurements
- ✓ Automated measurements

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3D Disto Specification

Hardware Features

Accuracy Tie Distance (3D)	Combined angle & distance	@ 10 m @ 30 m @ 50 m ~1 mm ~2 mm ~4 mm
Angle measurement (Hz/V)	Working range Accuracy	Horizontal 360°, Vertical 250° 5" = 0.0014° = 0.024 mradian (= 0.24mm @ 10m)
Characteristics laser distance meter	Measuring system: Type: Working range: Laser class: Laser point size (@10m) Laser point size (@30m)	System analyser basis 100 MHz - 150 MHz Coaxial, visible red laser 0.5 m - 50 m 2 ~7 mm x 7 mm ~9 mm x 15 mm
Tilt Sensor	Self-levelling range: Accuracy:	±3° 10" = 0.0028° = 0.048 mradian (= 0.48mm @ 10m)
AR Camera	Zoom (Magnification): Field of view (at 10 m):	1x, 2x, 4x, 8x 1x: 3.40 m x 2.14 m 2x: 1.70 m x 1.07 m 4x: 0.85 m x 0.54 m 8x: 0.42 m x 0.27 m
Circular bubble sensitivity	1°/mm	
Operation	Buttons: Ports:	ON/OFF Button USB Type B, power supply plug-in
Communication	Data transfer: Wireless technology:	USB Type A, WLAN SD Card, range 50 m (depending on the environment), 11 channels
Power	Internal Type: Voltage: External:	 Li-Ion battery 14.4 V 63 Wh Charging time: 8 h Typical operating time 8 h Voltage: 24 VDC, 2.5 A
Mounting	5/8" UNC thread	Mounting brackets available

Instrument dimensions	186.6 mm x 215.5 mm (diameter x height)
Weight	2.8 kg
Environmental Specifications	Temperature Operating temp: -10°C to +50°C Storage temp: -25°C to +70°C Protection against dust, sand and water: IP54 (IEC60529) Humidity Protection: Max 85 % r.h. non-condensing

Leica Geosystems

Warranty included

PROTECT by Leica Geosystems
Lifetime Warranty | No Cost Period | Certified Quality | Swiss Technology

3D Disto and warranty by
Leica Geosystems AG
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