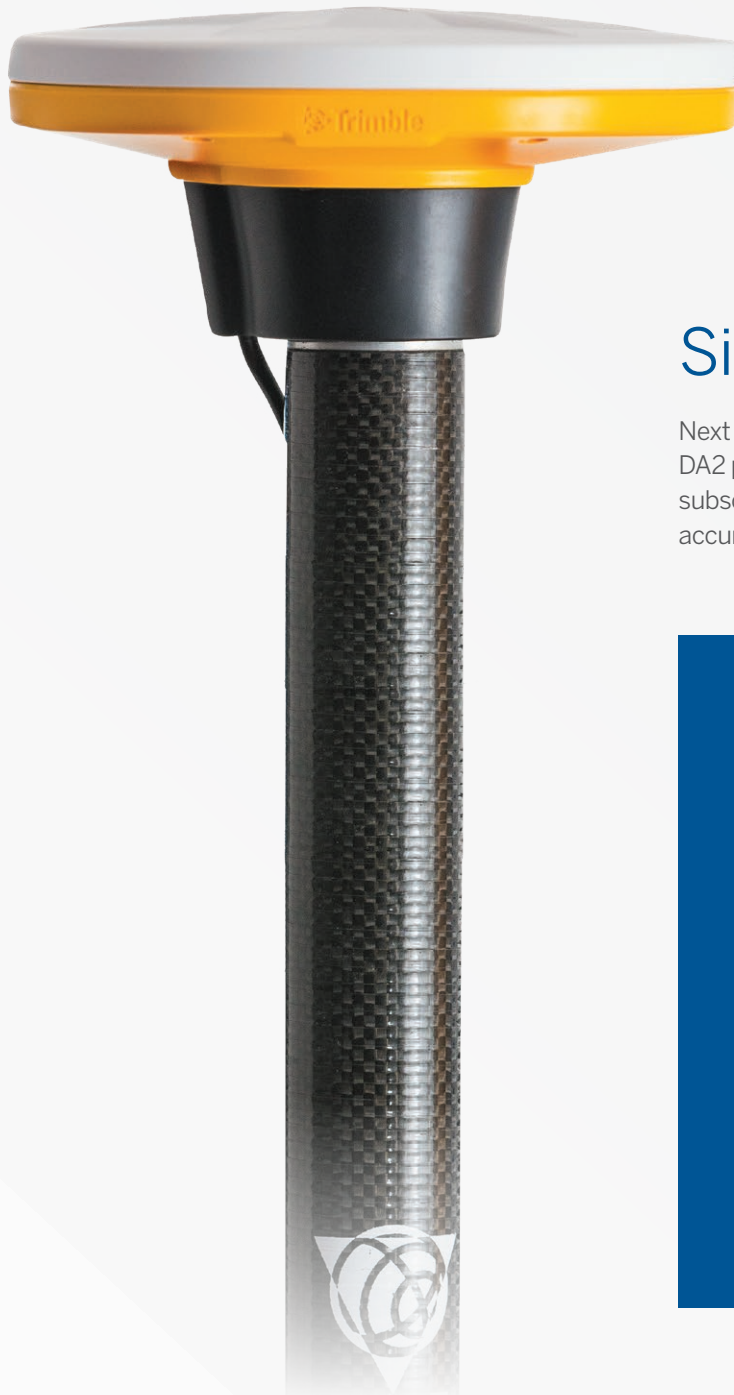




# Trimble DA2

GNSS RECEIVER FOR THE TRIMBLE CATALYST SERVICE



## Simply precise.

Next generation Trimble® Catalyst™ GNSS receiver. DA2 performance scales with your Trimble Catalyst service subscription to deliver anywhere from 1 cm to 60 cm accuracy, and provides support for any field device.

### KEY FEATURES

- ▶ Simple, precise, submeter-to-centimeter GNSS accuracy
- ▶ Scalable and flexible accuracy-based pricing
- ▶ Lightweight and rugged design
- ▶ Simple installation and setup
- ▶ Multi-frequency (L1/L2/L5/MSS) capable
- ▶ Powered by Trimble ProPoint™ GNSS positioning technology
- ▶ Supports all global GNSS systems
- ▶ Flexible mounting options
- ▶ Connect wirelessly to iOS and Android™ devices
- ▶ Conveniently USB powered

Learn more: [geospatial.trimble.com/catalyst](https://geospatial.trimble.com/catalyst)

# Trimble DA2 CATALYST GNSS RECEIVER

## GNSS PERFORMANCE

### SBAS

Horizontal accuracy ..... 0.6 m RMS  
 Vertical accuracy ..... 1.2 m RMS

### Code Differential (DGPS)

Horizontal accuracy ..... 0.3 m + 1 ppm RMS  
 Vertical accuracy ..... 0.6 m + 1 ppm RMS

### Single baseline (<30 km) RTK

Horizontal accuracy ..... 10 mm + 1 ppm RMS  
 Vertical accuracy ..... 20 mm + 1 ppm RMS

### Network RTK

Horizontal accuracy ..... 10 mm + 0.5 ppm RMS  
 Vertical accuracy ..... 20 mm + 0.5 ppm RMS

### Trimble RTX™ (using Trimble Corrections Hub)

Horizontal accuracy ..... 2 cm RMS  
 Vertical accuracy ..... 5 cm RMS

Positioning rate ..... 1 Hz, 5 Hz, 10 Hz

## SIGNAL TRACKING

- Trimble ProPoint GNSS positioning technology for improved accuracy and productivity in challenging GNSS conditions<sup>1</sup>
- GPS: L1C/A, L2C, L5
- GLONASS: L1C/A, L2C/A
- SBAS: L1C/A, L2C, L5
- Galileo: E1, E5A
- BeiDou: B1, B2A
- QZSS: L1C/A, L2C, L5
- NavIC (IRNSS): L5
- Digital channels: Software controlled by Catalyst dynamic signal tracking using mathematical channels

### Notes on Specifications and Testing Procedures

Mechanical performance testing was performed by Trimble with production quality DA2 devices. GNSS performance testing was performed by Trimble with production quality DA2 devices. GNSS performance is dictated by the Catalyst subscription type in use. GNSS accuracy may be affected by anomalies such as multipath, satellite geometry, atmospheric conditions, and proximity to obstructions such as trees, mountains, buildings and other structures. Accuracy specifications are valid in normal conditions with clear line of sight to the sky. Accuracy may degrade quickly and significantly under any of the aforementioned anomalous conditions.

## MECHANICAL

Dimensions (Diameter x Depth) ..... 128 x 55 mm  
 Weight ..... 330 g (11.6 oz)  
 Ingress protection level ..... IP65 (dust proof, rain proof)  
 Drop, shock, & vibration ..... Survives 2 m tipping falls  
 Survives 1.2 m free falls to concrete  
 Survives vibrations & mechanical shocks (MIL-STD-810G test method)

## Supported Platforms

Android ..... Android 5.0 (Pie) and higher  
 iOS ..... iOS 13.0 and higher

## COMMUNICATIONS/CONNECTIVITY

Bluetooth ..... 4.2  
 Apple ..... Made for iOS certified  
 Ports ..... USB-A (Power only)  
 Data protocols ..... NTRIP, VRS, RTCM 3.x, CMRx, DCOL  
 Position output ..... NMEA (LLH), DCOL  
 Android Location Service  
 Apple Location Service  
 Android Location Extras

## BATTERY AND POWER

Requires external USB battery pack  
 External power input ..... USB-A (5 V 1 A)  
 Power consumption ..... 2.0–2.5 W

## ENVIRONMENTAL

Operating ambient temperature ..... -20 °C to 60 °C (-4 °F to 140 °F)  
 Storage temperature ..... -40 °C to 70 °C (-40 °F to 158 °F)  
 Operating humidity ..... 95% RH, non-condensing  
 Operating altitude ..... Tested to 9,000 m (29,500 ft)

## COMPLIANCE

USA: FCC Part 15 (Class B device), Canada: ICES-003; Europe: CE; UK: UKCA; Australasia: RCM. For latest compliance status [geospatial.trimble.com/DA2-compliance](https://www.trimble.com/DA2-compliance)

## IN THE BOX

- Catalyst DA2
- 5/8" thread mount
- USB power cable
- Battery clamping kit
- Documentation

## OPTIONAL ACCESSORIES FROM TRIMBLE

- 1/4" thread mount
- Locking 5/8" thread mount
- USB battery pack
- Soft pouch
- 2 m carbon fiber pole
- 2 m aluminium pole
- Antenna backpack, and more

<sup>1</sup> Challenging GNSS environments are locations where the receiver has sufficient satellite availability to achieve minimum accuracy requirements, but where the signal may be partly obstructed by and/or reflected off of trees, buildings, and other objects. Actual results may vary based on user's geographic location and atmospheric activity, scintillation levels, GNSS constellation health and availability, and level of multipath and signal occlusion.



Specifications subject to change without notice.

Contact your local Trimble Authorized Distribution Partner for more information

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