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› [Bluetooth 5.0 Accelerometer+Inclinometer] **WT901BLECL** MPU9250 High-Precision 9-axis Gyroscope+Angle(XY 0.2° Accuracy)+Magnetometer Compass with Kalman Filter, Low-Power 3-axis AHRS IMU Tilt Sensor

WITMOTION WT901BLECL

User Manual: WT901BLECL Bluetooth 5.0 Accelerometer+Inclinometer

Model: WT901BLECL | Brand: WITMOTION

PRODUCT OVERVIEW

The WITMOTION WT901BLECL is a high-precision 9-axis Attitude and Heading Reference System (AHRS) Inertial Measurement Unit (IMU) sensor. It integrates a 3-axis accelerometer, gyroscope, and magnetometer, providing comprehensive motion and orientation data. Designed for applications requiring stable and accurate measurements, it features advanced Kalman Filtering and a low-power Bluetooth 5.0 interface for real-time monitoring and data acquisition.



Image: The WT901BLECL sensor shown alongside a smartphone running the WitMotion application, demonstrating real-time data monitoring capabilities. The sensor is compact and features a USB-C port.

Bluetooth 5.0 Attitude Sensor

Simplify test integration and help project development



9 Axis Fusion



3-axis Acc



3-axis Gyro



3-axis Angle



3-axis Mag Field



Quaternion



Port Status

Image: A visual representation highlighting the Bluetooth 5.0 Attitude Sensor's 9-axis fusion, including 3-axis acceleration, 3-axis gyroscope, 3-axis angle, 3-axis magnetic field, quaternion, and port status.

Key Features:

- Precision Sensor Suite:** High-precision 3-axis accelerometer, gyroscope, and magnetometer for comprehensive motion and orientation detection.
- Advanced Algorithm Filter:** Integrated R&D dynamic fusion algorithm and Kalman Filtering for stable data output, excellent bias stability, and low noise.

- **BLE Compatibility:** Low-consumption Bluetooth 5.0 for real-time monitoring via WitMotion App/PC, with approximately 10 hours of battery life.
- **Powerful Software/App:** Provides real-time data monitoring (dashboard, graph, raw data), data storage and export (Excel/CSV/TXT), and multiple configuration options.
- **USB-C Interface:** Modern Type-C interface for data and charging.
- **Compact and Wearable:** Miniaturized design for easy integration and monitoring in various applications.

SETUP GUIDE

Package Contents:

- 1 x WT901BLECL BLE 5.0 Sensor (Type-C interface)
- 1 x Type-C Data & Charging Cable
- 1 x Welcome Guide

Note: An adapter is not included. For computer connection, a BLE adapter (e.g., B07ZGG9KY9) may be required.

Initial Connection:

1. **Charge the Sensor:** Connect the WT901BLECL sensor to a power source using the provided Type-C data and charging cable. Ensure the sensor is adequately charged before first use.
2. **Software Installation:**
 - For PC: Visit wit-motion.com to download the latest PC software. Follow the installation instructions provided with the software.
 - For Mobile (Android/iOS): Download the "WitMotion" application from your device's respective app store.
3. **Bluetooth Pairing:**
 - Ensure Bluetooth is enabled on your PC (with BLE adapter if needed) or mobile device.
 - Open the WitMotion software/app. The application will guide you through the process of discovering and connecting to the WT901BLECL sensor via Bluetooth 5.0.

Make Development & Testing Easier

WITMOTION provides PC software & smartphone APP

Equipped with complete development materials
and SDK to facilitate secondary development.



Image: This image illustrates the availability of PC software and smartphone applications, along with development materials like manuals, datasheets, and SDKs, to facilitate setup and secondary development.

OPERATING INSTRUCTIONS

The WitMotion software and mobile application provide a comprehensive interface for interacting with your WT901BLECL sensor. Below are key operational aspects:

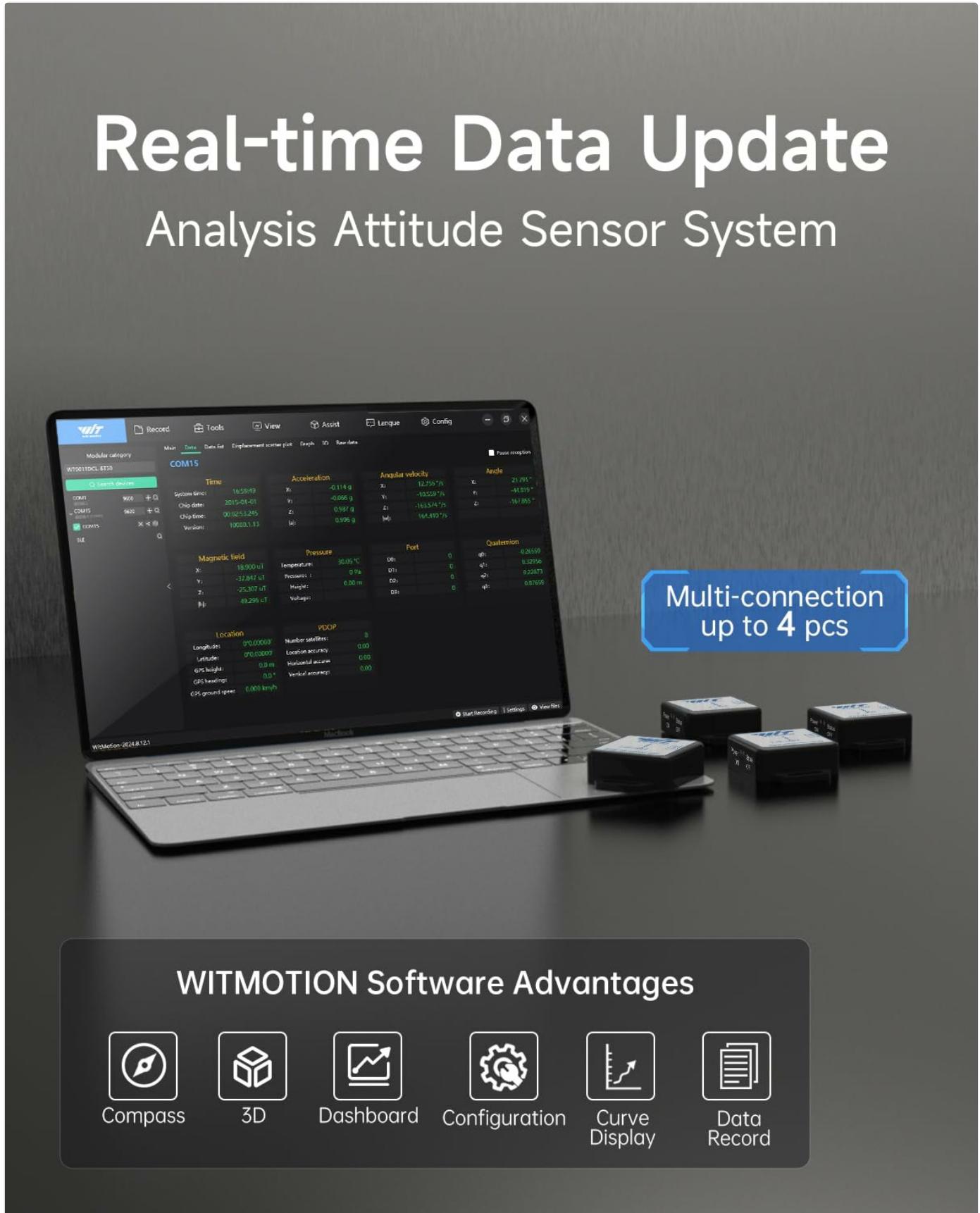
Real-time Data Monitoring:

Once connected, the software/app displays real-time sensor data. You can view data in various formats:

- **Dashboard:** Provides an overview of key parameters.
- **Graphs:** Visualizes data trends over time for acceleration, angular velocity, and angles.
- **Raw Data:** Displays the unprocessed numerical output from the sensor.
- **3D Display:** Some software versions may offer a 3D visualization of the sensor's orientation.

Real-time Data Update

Analysis Attitude Sensor System



Multi-connection up to 4 pcs

WITMOTION Software Advantages

- Compass
- 3D
- Dashboard
- Configuration
- Curve Display
- Data Record

Image: The WitMotion software interface on a laptop, showing real-time data updates and the capability for multi-connection with up to four sensors

simultaneously.

Visual Analysis

Turn data into images to easily gain insight into complex motion trends



Compass



3D



Curve Display



*Compass requires completely calibration.

Image: Visual analysis of sensor data across multiple monitors, showcasing compass, 3D, and curve display options for comprehensive motion trend insights.

Data Storage and Export:

The software allows you to record and store sensor data for later analysis. Data can typically be exported in common formats such as Excel (.xlsx), CSV (.csv), or plain text (.txt).

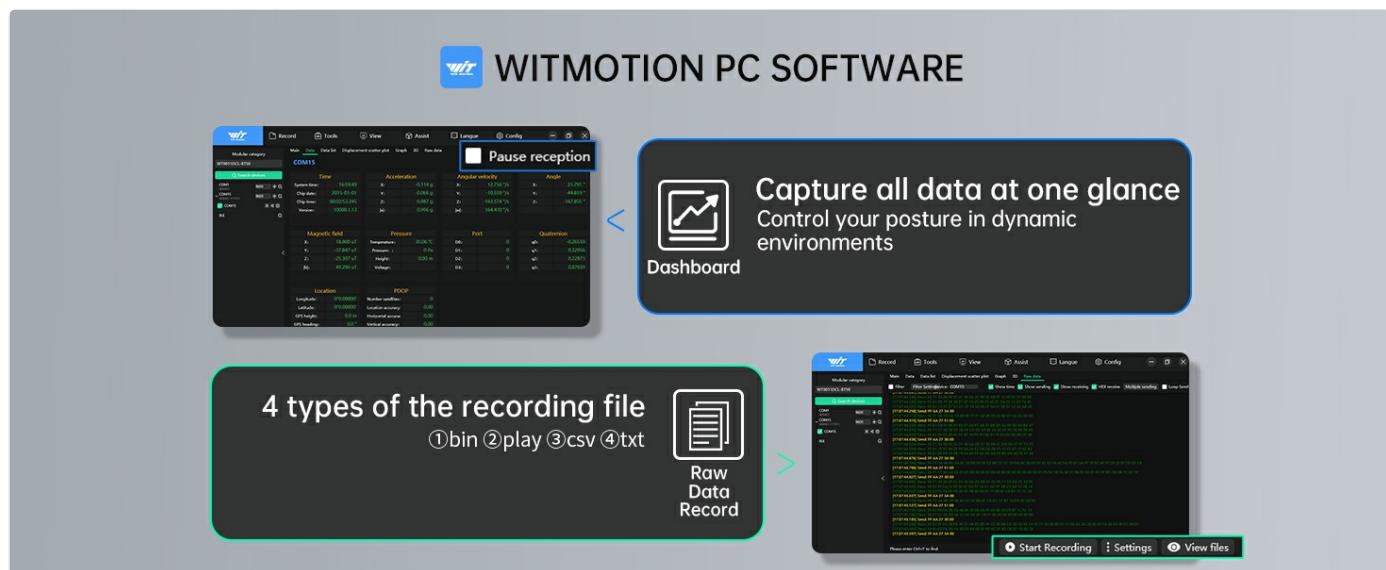


Image: An illustration of the WitMotion PC software's data capture capabilities, including a dashboard for real-time overview and options for recording raw data in various file types (bin, play, csv, txt).

Configuration and Calibration:

The software provides a configuration menu to adjust sensor settings, perform calibration, and set parameters like angle settings and return rates. Regular calibration, especially for the magnetometer, is recommended for optimal accuracy.

Configuration Menu

Configure sensor data to solve various application cases

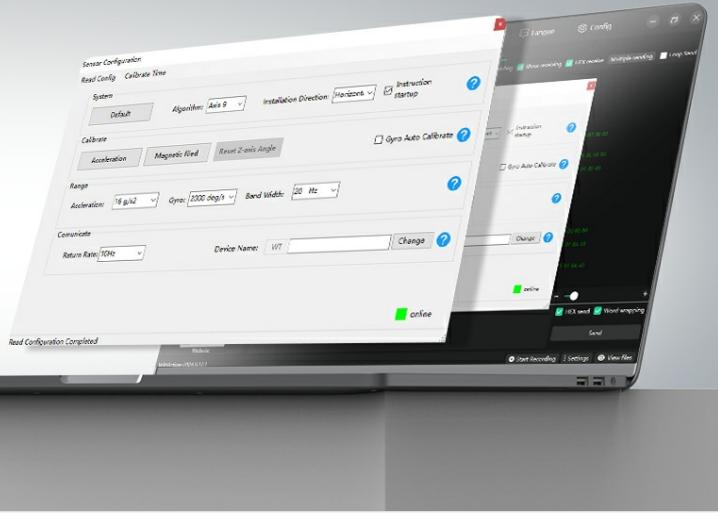


Image: The configuration menu within the WitMotion software, allowing users to customize sensor data and settings to suit various application requirements.

MAINTENANCE

To ensure the longevity and optimal performance of your WT901BLECL sensor, follow these general maintenance guidelines:

- **Keep Dry:** Avoid exposing the sensor to moisture or liquids. If it gets wet, power it off immediately and allow it to dry completely before attempting to use it again.
- **Avoid Extreme Temperatures:** Do not operate or store the sensor in environments with extreme temperatures (very hot or very cold), as this can affect its electronic components.
- **Clean Gently:** Use a soft, dry cloth to clean the exterior of the sensor. Do not use harsh chemicals, solvents, or abrasive materials.
- **Handle with Care:** The sensor contains sensitive electronic components. Avoid dropping it or subjecting it to strong impacts.
- **Store Properly:** When not in use for extended periods, store the sensor in a cool, dry place, away from direct sunlight and strong magnetic fields.

TROUBLESHOOTING

If you encounter issues with your WT901BLECL sensor, consider the following common troubleshooting steps:

- **No Connection/Pairing Issues:**

- Ensure the sensor is charged.
- Verify Bluetooth is enabled on your device and the sensor is within range.
- Restart both the sensor and your connecting device (PC/smartphone).
- If using a PC, ensure your Bluetooth adapter is compatible and properly installed.

- **Inaccurate Readings:**

- Perform a calibration using the WitMotion software/app, especially for the magnetometer.
- Ensure the sensor is placed on a stable, non-vibrating surface during initial setup or calibration.
- Avoid strong magnetic interference sources (e.g., large metal objects, strong magnets, power lines) near the sensor, especially for magnetometer readings.

- **Software/App Issues:**

- Ensure you have the latest version of the WitMotion software/app installed.
- Try reinstalling the software/app.
- Check for system updates on your PC or mobile device.

For more detailed troubleshooting or persistent issues, please refer to the support section or contact WitMotion customer service.

SPECIFICATIONS

Product Parameters

Range	Acceleration: $\pm 16g$, angular velocity: $\pm 2000^\circ/s$, Mag field: $\pm 2\text{Gauss}$, Angle: $X/Z \pm 180^\circ$, $Y \pm 90^\circ$.
Resolution	Acceleration: $0.5mg/LSB$ (2048LSB/g) Angular velocity: $0.061(\text{ }^\circ/\text{s})/LSB$, Mag field: $0.0667mG/LSB$ Angle: $0.0055^\circ/LSB$
Accuracy	X, Y axis: 0.2° Z axis: 1° (no magnetic field interference and after calibration)
Output content	Acceleration, angular velocity, angle, magnetic field (not default output)
Trans-mission	Using BLE 5.0 technology, up to 50m (open area)
Usage time	8h
Weight	18g
Battery	130mAh
Dimensions	32.5*23.5*11.6mm

Image: Detailed product parameters for the WT901BLECL sensor, including measurement ranges, resolutions, accuracy, and physical specifications.

WT901BLECL Technical Specifications

Parameter	Value
Product Dimensions	1.42 x 0.59 x 2.02 inches (36.1 x 15 x 51.5 mm)

Parameter	Value
Item Model Number	WT901BLECL
Date First Available	June 13, 2019
Manufacturer	WitMotion Shenzhen Co.,Ltd
Brand	WITMOTION
Material	Acrylonitrile Butadiene Styrene
Item Weight	30 Grams (1.06 ounces)
Style	Magnetic, Robust
Bluetooth Version	5.0
Battery Life (Approx.)	10 hours (Low consumption)
Accuracy (XY Angle)	0.2°
Accuracy (Z Angle)	1° (after calibration, no magnetic interference)

Image: Technical drawing illustrating the precise dimensions of the WT901BLECL sensor and a visual of the standard package contents.

WARRANTY AND SUPPORT

Warranty Information:

The WT901BLECL sensor comes with a **12-month warranty** from the date of purchase. This warranty covers manufacturing defects and ensures the product meets its specified performance standards under normal use. Please retain your proof of purchase for warranty claims.

Customer Support:

WitMotion is committed to providing lifetime friendly customer service. For any inquiries, technical assistance, or support, please utilize the following resources:

- **Online Documentation:** Visit the official WitMotion website at wit-motion.com. Navigate to the support page to find comprehensive documentation, software downloads, and instructions. A dedicated Google Drive link is also available for tutorials.
- **Video Tutorials:** Subscribe to the official WitMotion YouTube channel for instructional videos, lessons, and project experience sharing.
- **Email Support:** For direct assistance, you can contact the support team via email at support@wit-motion.com.

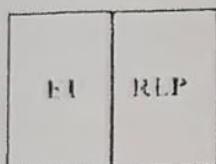
Product Name: Wireless Sensor

Model No: WIT-wireless sensor

Manufacturer: WitMotion Shenzhen Co., Ltd.

Address: Room 301, Building 7th YunLi Intelligent Park,
ShuTianPu, MaTian Street, GuangMing, guangdong shenzhen
518107

E-mail: support@wit-motion.com Made in China



CALLE RIO TORRES NUM. 1,
PLANTA 1, DERECHA, OFICINA 3,
Fuenlabrada, Madrid, 28947 Spain
Email: supportservice2@outlook.com
Tel: 0034919602659
Trade Mark: WITMOTION

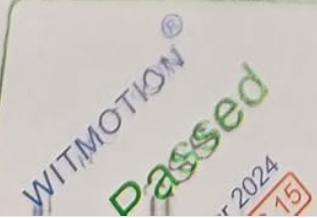
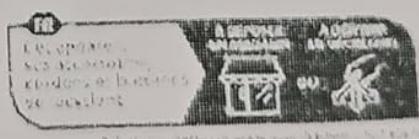
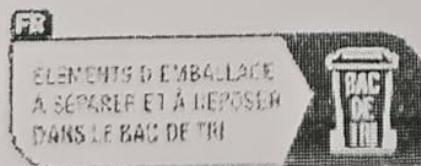


Image: The product label from the WT901BLECL packaging, providing essential contact information for support, including the manufacturer's email address.

Related Documents - WT901BLECL

 USER MANUAL WT901 Inclinometer Sensor	<p>WITMOTION WT901 Inclinometer Sensor User Manual</p> <p>User manual for the WITMOTION WT901 Inclinometer Sensor, detailing its features, applications, software introduction, and connection methods.</p>
 USER MANUAL BWT901CL Bluetooth 2.0 Inclinometer Sensor	<p>WITMOTION BWT901CL User Manual: Bluetooth 2.0 Inclinometer Sensor Guide</p> <p>Comprehensive user manual for the WITMOTION BWT901CL Bluetooth 2.0 Inclinometer Sensor. Learn about installation, PC and Android app connection, calibration, and configuration for accurate attitude measurement.</p>
 USER MANUAL WT901C(RS232) Inclinometer Sensor	<p>WITMOTION WT901C(RS232) 9-Axis Inclinometer Sensor User Manual MPU9250, Kalman Filtering</p> <p>User manual for the WITMOTION WT901C(RS232) RS232 9-axis vibration inclinometer sensor. Details features like high-stability acceleration, gyro, angle (XY 0.05° Accuracy), digital compass, MPU9250 sensor, and Kalman filtering. Covers applications, PC and MCU connection methods, and software for industrial control, robotics, and AGVs.</p>
 USER MANUAL HWT905(RS485) IP68 Inclinometer	<p>WITMOTION HWT905(RS485) IP68 Inclinometer User Manual</p> <p>User manual for the WITMOTION HWT905(RS485) IP68 Inclinometer, detailing its features, applications, installation, and software usage. This AHRS IMU sensor provides high-precision angle, acceleration, and angular velocity measurements.</p>
 USER MANUAL WT901B Inclinometer Sensor	<p>WT901B Inclinometer Sensor User Manual</p> <p>User manual for the WT901B Inclinometer Sensor, detailing its features, applications, software, and connection methods. Includes technical specifications and support information from WITMOTION.</p>
 USER MANUAL WT9011DCL-BT5.0 Bluetooth 5.0 Inclinometer Sensor	<p>WT9011DCL-BT5.0 Bluetooth 5.0 Inclinometer Sensor User Manual</p> <p>User manual for the WITMOTION WT9011DCL-BT5.0, a Bluetooth 5.0 inclinometer sensor. This guide provides detailed instructions on installation, connection, calibration, and configuration for various platforms including Android, iPhone, and PC.</p>



[WITMOTION WT901BLECL BLE5.0 User Manual - Bluetooth 5.0 Inclinometer Sensor](#)

User manual for the WITMOTION WT901BLECL BLE5.0, a Bluetooth 5.0 enabled 9-axis AHRS IMU sensor. Covers installation, connection, calibration, and configuration for Android, iPhone, and PC.

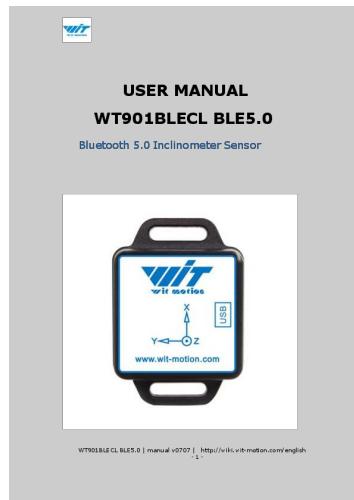
lang:en score:48 filesize: 5.76 M page_count: 53 document date: 2023-05-30



[WitMotion Sensor Product Catalog and Document Center](#)

Explore the comprehensive range of WitMotion sensors, including Bluetooth Accelerometers, Digital Inclinometers, GPS IMUs, RTK Positioning Sensors, and more. Access tutorials, datasheets, and support information for WitMotion products.

lang:en score:44 filesize: 1.8 M page_count: 16 document date: 2024-02-27



[WT901BLECL BLE5.0 User Manual: Bluetooth 5.0 Inclinometer Sensor](#)

User manual for the WT901BLECL BLE5.0, a Bluetooth 5.0 Inclinometer Sensor from WITMOTION. Covers PC and Android setup, calibration, configuration, and data handling.

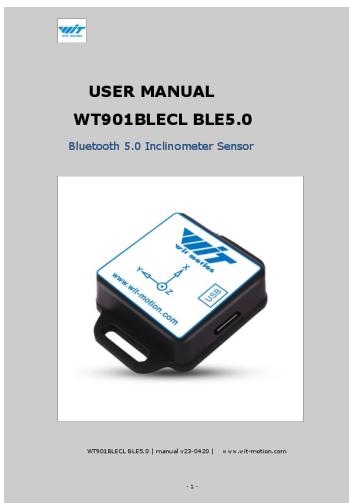
lang:en score:43 filesize: 3.79 M page_count: 30 document date: 2020-07-14



[WT9011DCL-BT5.0 Bluetooth 5.0 Inclinometer Sensor User Manual](#)

User manual for the WITMOTION WT9011DCL-BT5.0, a Bluetooth 5.0 inclinometer sensor. This guide provides detailed instructions on installation, connection, calibration, and configuration for various platforms including Android, iPhone, and PC.

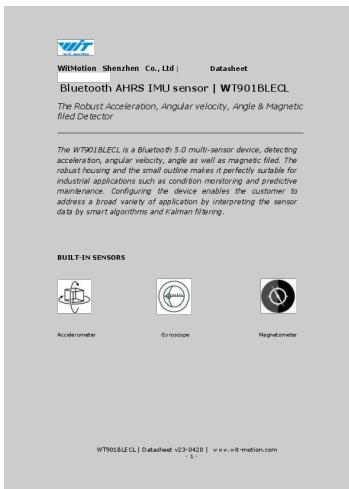
lang:en score:42 filesize: 5.77 M page_count: 54 document date: 2023-06-14



[WITMOTION WT901BLECL BLE5.0 User Manual: Bluetooth 5.0 Inclinometer Sensor Guide](#)

Comprehensive user manual for the WITMOTION WT901BLECL BLE5.0, a Bluetooth 5.0 inclinometer sensor. Learn about installation, connection, calibration, data recording, and software usage for Android, iPhone, and PC.

lang:en score:40 filesize: 5.79 M page_count: 53 document date: 2023-07-17



[\[pdf\] Instructions Datasheet](#)

Administrator WT901BLECL DataSheet WITMOTION MPU9250 Accelerometer High Precision 9 axis

Gyroscope Angle XY 0 2° Magnetometer 3 Bluetooth AHRS IMU Sensor for Arduino RobotShop

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3b36 40a4 a5f0 e5a0eea52565 |||

WitMotion Shenzhen Co., Ltd Datasheet Bluetooth AHRS IMU sensor **WT901BLECL**
The Robust Acceleration, Angular velocity, Angle Magnetic field Detector The

WT901BLECL is a Bluetooth 5.0 multi-sensor device, detecting acceleration, angular velocity, angle as well as magnetic field. The robust h...

lang:en score:38 filesize: 467.78 K page_count: 21 document date: 2023-05-22

USER MANUAL
WT901BLECL BLE5.0
 Bluetooth 5.0 Inclinometer Sensor



WT901BLECL BLE5.0 | manual v23-0420 | www.wit-motion.com

- 1 -

[pdf] User Manual Instructions

User Manual WT901BLECL BLE 5.0 Low Consumption 9 Axis Inclinometer Sensor 3 Tilt Angle Acc Angular Velocity Gyro Mag Field Electronic Compass Magnetometer MPU9250 Module Compatible with iOS Android MCU Automotive C1UuWWxC83L m media amazon images I |||

USER MANUAL WT901BLECL BLE5.0 Bluetooth 5.0 Inclinometer Sensor

WT901BLECL BLE5.0 manual v23-0420 www.wit-motion.com - 1 - Tutorial Link

Google Drive Link to instructions DEMO: WITMOTION Youtube Channel

WT901BLECL Playlist If you have technical problems or cannot find the information that you ...

lang:en **score:38** filesize: 5.77 M page_count: 53 document date: 2023-05-22

USER MANUAL
WT901BLECL BLE5.0
 Bluetooth 5.0 Inclinometer Sensor



WT901BLECL BLE5.0 | manual v22-0415 | www.wit-motion.com

- 1 -

[pdf] User Manual Instructions Specifications

Bluetooth 5.0 Accelerometer Inclinometer WT901BLECL MPU9250 High Precision 9 axis Gyroscope Angle XY 05° Accuracy Magnetometer with Kalman Filter Low Power 3 AHRS IMU Sensor for Arduino Specification Sheet WT901BLE WITMOTION WitMotion Shenzhen Co Ltd Amazon Industrial Scientific C1XIWgxwbJL m media amazon images I |||

USER MANUAL WT901BLECL BLE5.0 Bluetooth 5.0 Inclinometer Sensor

WT901BLECL BLE5.0 manual v22-0415 www.wit-motion.com -1- Tutorial Link

Google Drive Link to instructions DEMO: WITMOTION Youtube Channel

WT901BLECL Playlist If you have technical problems or cannot find the information that you ne...

lang:en **score:38** filesize: 6.4 M page_count: 51 document date: 2022-04-18

SOFTWARE INSTRUCTIONS

How to download software and driver

PC Software Download:
https://drive.google.com/drive/u/1/folders/2dmwmn7mkl2pNaDwLzrsV78ek_aD9

PC Software DEMO Video:
<https://www.youtube.com/c/WITMOTION>

Install Driver:
<https://drive.google.com/drive/u/1/folders/1P80mr18xKvfdRu77jWodAa9h4CQvQ>

3-in-1 CH940 driver:
https://drive.google.com/file/d/1d1dop8429FeQMAiC3Ywta03hrp8F/view?usp=share_link

6-in-1 CF2102 driver:
https://drive.google.com/file/d/1do8429FeQMAiC3Ywta03hrp8F/view?usp=share_link

P.S. We make this ordinary document for a better update in the future. Please according to your sensor type to check the content. For example, WT901BLECL will output acceleration/angle/angular/magnetic field, it won't output GPS data, so you can skip this part content.

Frees on Attitude Sensor | v23-0509 | www.wit-motion.com

[pdf] User Manual Installation Guide Instructions

Administrator Software Instructions Manual drive google file d

18OntSUDU1m4vNhcRXvmTeFN1rAK3jcmZ view usp share link |||

SOFTWARE INSTRUCTIONS How to download software and driver PC Software Download: https://drive.google.com/drive/u/1/folders/2dmwmn7mkl2pNaDwLzrsV78ek_aD9 etter update in the future. Please according to your sensor type to check the content. For example, **WT901BLECL** will output acceleration/angle/angular/magnetic field, it won't output GPS data, so you can skip this part content.

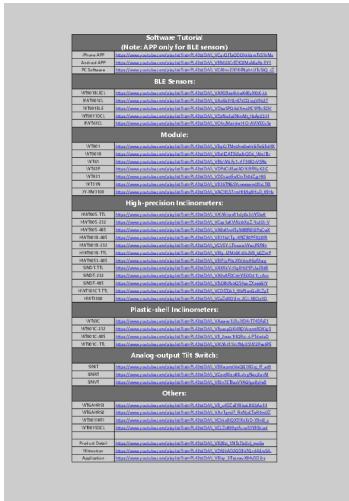
lang:en **score:38** filesize: 5.01 M page_count: 57 document date: 2023-06-12



[pdf] User Manual Instructions Datasheet

Administrator User Manual Bluetooth 5.0 Accelerometer Inclinometer WT901BLECL MPU9250 High Precision 9 axis Gyroscope Angle XY 05° Accuracy Magnetometer with Kalman Filter Low Power 3 AHRS IMU Sensor for Arduino Business Industry Science 81bSKxiHsyL m media amazon images I ||| WitMotion Shenzhen Co., Ltd Datasheet Bluetooth AHRS IMU sensor **WT901BLECL** The Robust Acceleration, Angular velocity, Angle Magnetic field Detector The **WT901BLECL** is a Bluetooth 5.0 multi-sensor device, detecting acceleration, angular velocity, angle as well as magnetic field. The robust ho...

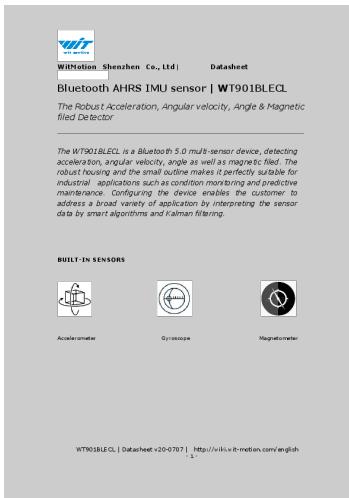
lang:en score:37 filesize: 392.29 K page_count: 21 document date: 2023-04-22



[Witmotion Sensor Software Tutorials and Product Links](#)

Access software tutorials and product links for Witmotion's range of sensors, including BLE sensors, high-precision inclinometers, and analog-output tilt switches, covering various models and applications.

lang:i-klingon score:36 filesize: 51.11 K page_count: 1 document date: 2023-05-22



[pdf] Instructions Datasheet

Administrator BluetoothAHRSIMUsensor WT901BLECL Datasheetv20-0707 <http://wiki.wit-motion.com/english-5-2/Features> Built-inWT901BLEmodule fordetailedparameters pleaseresfer tothe 81g910jMU7L <https://media-amazon.com/images/> !

WitMotion Shenzhen Co., Ltd Datasheet Bluetooth AHRS IMU sensor **WT901BLECL**
The Robust Acceleration, Angular velocity, Angle Magnetic filed Detector The
WT901BLECL is a Bluetooth 5.0 multi-sensor device, detecting acceleration, angular
velocity, angle as well as magnetic filed. The robust ho...

lang:en score:32 filesize: 433.03 K page_count: 21 document date: 2020-07-13



[WT901BLECL Bluetooth 5.0 Gyro Sensor User Manual](#)

This document provides detailed specifications, features, and operational instructions for the WT901BLECL Bluetooth 5.0 Gyro Sensor. Learn about its calibration methods, communication protocols, and application areas.

lang:en score:31 filesize: 1.13 M page_count: 24 document date: 2019-06-05



[WITMOTION WT901BLE BLE5.0 User Manual: Bluetooth 5.0 Inclinometer Sensor](#)

This user manual provides comprehensive instructions for the WITMOTION WT901BLE BLE5.0, a high-precision 9-axis AHRS IMU sensor. It covers setup and usage with PC and Android devices, including software installation, calibration procedures, data recording and playback, and application-specific configurations.

lang:en score:30 filesize: 4.03 M page_count: 32 document date: 2020-07-14



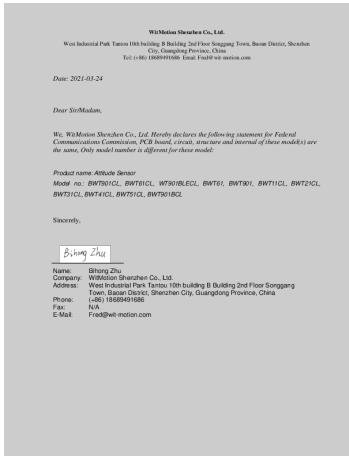
[\[pdf\] Specifications Catalog](#)

WT901BLECL Bluetooth 5.0 Gyro Sensor SPECIFICATION Model WT901BLECL Description

Bluetooth AHRS IMU sensor with battery Quality system standard ISO9001 2016 Tilt switch production standard GB T191SJ 20873 Criterion of detection GB Revision date 2019 12 16 A10tcv17qcL images na ssl amazon I WT901BLE The connection IOS app has been shown as below 2 Clibration method module needs to be calibrated before it can used

<https://wiki.wit-motion.com/english> **WT901BLECL** Bluetooth 5.0 Gyro Sensor
SPECIFICATION Model **WT901BLECL** 5.0 Description Bluetooth 5.0 AHRS IMU sensor with battery Quality system standard: ISO9001:2016 Tilt switch production standardGB/T191SJ 20873-2016 Criterion of detectionGB/T191SJ 20873-2016 Revi...

lang:en score:29 filesize: 1.2 M page_count: 25 document date: 2019-12-18



[pdf] Declaration of Conformity

Declaration Letter of Model Difference WitMotion Shenzhen Co Ltd BWT901CL Attitude Sensor 2AZAR 2AZARBWT901CL bwt901cl

WitMotion Shenzhen Co., Ltd. West Industrial Park Tantou 10th building B Building 2nd Floor Songgang ... el number is different for these model: Product name: Attitude Sensor Model no.: BWT901CL, BWT61CL, **WT901BLECL**, BWT61, BWT901, BWT11CL, BWT21CL, BWT31CL, BWT41CL, BWT51CL, BWT901BCL Sincerely, Name: ...

lang:tl score:29 filesize: 16.42 K page_count: 1 document date: 2021-03-25



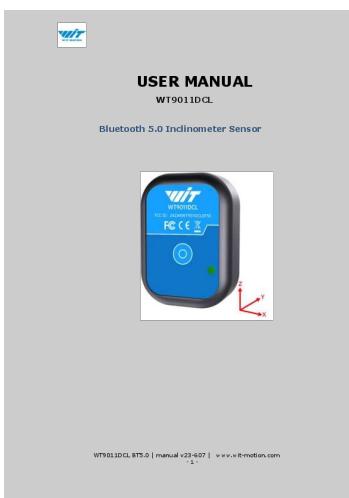
[pdf] User Manual Specifications Catalog

WT901BLECL Attitude Angle Sensor 1 Voltage3 3V~5V 2 Consumption current wt901blecl usermanual wiki wit motion english lib exe fetch media bluetooth inclinometer docs |||

WT901BLECL Attitude Angle Sensor SPECIFICATION Model **WT901BLECL**

Description: 10-axis Bluetooth 4.0 attitude angle sensor with battery Production Standard Enterprise quality system standard: ISO9001:2016 Tilt switch production standard: GB/T191SJ 20873-2016 Criterion of detection: GB/T191SJ 20873-2016 Revision date: 2018-08-07

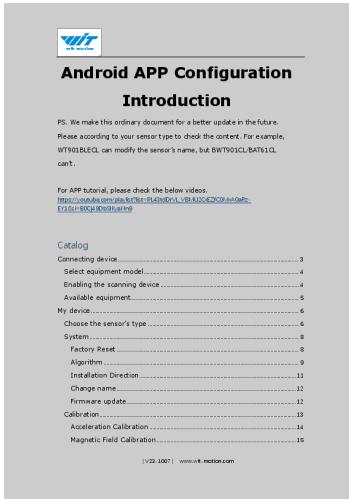
lang:en score:28 filesize: 733.68 K page_count: 18 document date: 2018-08-07



[WT9011DCL Bluetooth 5.0 Inclinometer Sensor User Manual | WITMOTION](#)

Comprehensive user manual for the WITMOTION WT9011DCL Bluetooth 5.0 Inclinometer Sensor. Learn about installation, connection, calibration, PC and mobile app usage, and data recording.

lang:en score:28 filesize: 2.11 M page_count: 26 document date: 2025-07-27



[pdf] User Manual Catalog

drive google file d 122Es4QPLi5R O4TjN43FMFRcaNK9eSY8 view WiT BWT901CL Bluetooth

Inclinometer Sensor User Manual Android APP Configuration Introduction |||

Android APP Configuration Introduction PS. We make this ordinary document for a better update in the future. Please according to your sensor type to check the content. For example, WT901BLECL can modify the sensor's name, but BWT901CL/BAT61CL can't.

For APP tutorial, please check the below videos.
<https://youtu.be/8tNp-PL4b0vVtV8A4Z04ZK00>
lang:fr score:27 filesize: 709.54 K page_count: 20 document date: 2023-10-07



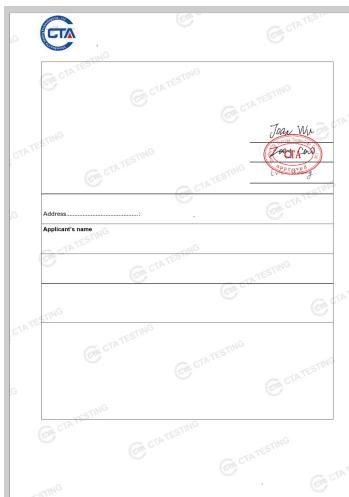
[pdf] Specifications Test Report

Microsoft Word GTS20210317011 1 Test Report DSS newce WitMotion Shenzhen Co Ltd BWT901CL

Attitude Sensor 2AZAR 2AZARWT901CL bwt901cl

Shenzhen Global Test Service Co.,Ltd. No.7-101 and 8A-104, Building 7 and 8, DCC Cultural and Creati ... ference.....: BWT901CL Listed Models

.....: BWT61CL, WT901BLECL, BWT61, BWT901, BWT11CL, BWT21CL, BWT31CL, BWT41CL, BWT51CL, BWT901BCL Modulation Type
lang:en score:24 filesize: 2.91 M page_count: 47 document date: 2021-03-25



[pdf] Specifications Test Report

CTA25011601201 Test Report 2 4G WIFI Part1 WitMotion Shenzhen Co Ltd WT901WIFI Inertial Accelerometer sensor 2AZAR 2AZARWT901WIFI wt901wifi

Shenzhen CTA Testing Technology Co., Ltd. Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Co ... s: Modulation Type

.....: WT901WIFI WT901BLECL, WT9011DCL, WT9012DCL, WTVB01-BT50, WTVB02-BT50, WT901SDCL-BT50, WT901SDCL CCK/DSSS/OFDM ...
lang:en score:23 filesize: 5.67 M page_count: 31 document date: 2025-02-10



[pdf] Specifications Catalog

SPECIFICATION BLE 5.0 wireless transmission stability distance greater than 50 meters ◇ Low power consumption long standby time self contained battery A1VSG h jqL images na ssl amazon I

<https://wiki.wit-motion.com/english/WT901BLECL Bluetooth 5.0 Gyro Sensor>

SPECIFICATION Model **WT901BLECL** 5.0 Description Bluetooth 5.0 AHRS IMU sensor with battery Quality system standard: ISO9001:2016 Tilt switch production standardGB/T191SJ 20873-2016 Criterion of detectionGB/T191SJ 20873-2016 Revi...

lang:en score:21 filesize: 1.19 M page_count: 25 document date: 2019-09-28



[pdf] Specifications Catalog

SPECIFICATION A1U58OZwkrL images na ssl amazon I |||

<https://wiki.wit-motion.com/english/Bluetooth 4.0 Gyro Sensor WT901BLECL>

SPECIFICATION Model **WT901BLECL** 4.0 Description Bluetooth 4.0 AHRS IMU sensor with battery Quality system standard: ISO9001:2016 Tilt switch production standardGB/T191SJ 20873-2016 Criterion of detectionGB/T191SJ 20873-2016 Revi...

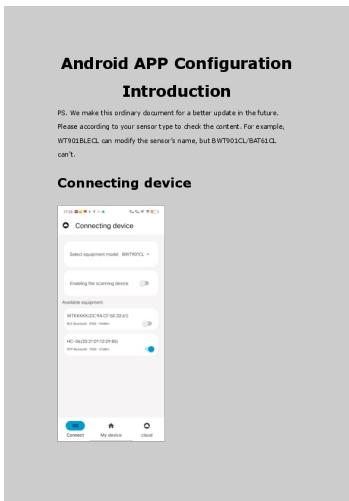
lang:it score:21 filesize: 1.02 M page_count: 23 document date: 2019-09-09



WT901BLECL Bluetooth 5.0 Inclinometer Sensor Quick Guide

A quick guide to setting up and using the WT901BLECL Bluetooth 5.0 Inclinometer Sensor, covering app installation, PC connection, data recording, and calibration.

lang:it score:20 filesize: 4.33 M page_count: 1 document date: 2022-07-22



[pdf]

Android APP Configuration Introduction drive google file d 122Es4QPLi5R O4TjN43FMFRcaNK9eSY8

view usp share link |||

Android APP Configuration Introduction PS. We make this ordinary document for a better update in the future. Please according to your sensor type to check the content. For example, **WT901BLECL** can modify the sensor's name, but BWT901CL/BAT61CL can't. Connecting device Select equipment model Please ...

lang:en score:19 filesize: 640.64 K page_count: 17 document date: 2023-06-12

Bluetooth 5.0 communication protocol

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Think BLE 5.0 communication protocol WITMOTION WT901BLECL MPU9250 Accelerometer High Precision 9 axis Gyroscope Angle XY 2° Magnetometer 3 Bluetooth AHRS IMU Sensor for Arduino RobotShop 06165ec0 ble cdn robotshop rbm f83835f4 5e29 4ee0 9cc2 e49300031503 b bf5c1f59 3b36 40a4 a5f0 e5a0eea52565 |||

Bluetooth 5.0 communication protocol Contact Module to PC

..... 2 acceleration angular velocity angle data packet default 3 Acceleration calculation method: unit g 4 Calculation method of angu...

lang:en **score:11** filesize: 107.18 K page_count: 12 document date: 2023-02-08