



Trimble Slate

CONTROLLER

A SMART MOBILE SURVEYING SOLUTION

Powerful, connected, and compact, the Trimble® Slate Controller combines the convenience and ease-of-use of a smartphone with the durability for which Trimble is known. Its slim, ergonomic design is easy to grasp and its screen provides superior sunlight readability enabling all-day use by hard-working survey professionals. Optimized for Trimble Access™ field software and the Trimble R4 GNSS receiver, the Trimble Slate Controller fully supports your everyday workflows and unique requirements.

One Device for Both Voice and Surveying Data Collection

With the Trimble Slate Controller, you no longer need to juggle a smartphone and a rugged computer to stay connected to the office, your clients, and even your survey equipment. Offering voice, SMS text, and 3.75G cellular data transfer capabilities on GSM cellular networks worldwide, the Trimble Slate Controller is a rugged all-in-one device that enables enhanced communication and survey workflow support in the field.

- ▶ Transfer data to and from the cloud using Wi-Fi or WWAN connections
- ▶ Connect to a Trimble VRS™ network via high speed connection capabilities
- ▶ Connect directly to, and control, the Trimble R4 GNSS receiver using the controller's integrated Bluetooth® capability
- ▶ Enhance your job documentation and point attribution by capturing geotagged, high quality, digital photos with the integrated 8 MP camera
- ▶ Navigate directly to points using the internal GPS and Compass
- ▶ Maintain voice communication with company personnel

Designed to Support Your Daily Workflows

Trimble Access field software, available on the Trimble Slate Controller, offers numerous features and capabilities to streamline the flow of everyday surveying work, such as topographic surveying, stakeout, control, and more. Streamlined workflows guide crews step-by-step through common project types and allow crews to get the job done faster with less distractions, while improving data consistency. Survey companies can also implement their unique workflows by taking advantage of the customization capabilities available in the Trimble Access Software Development Kit (SDK).

The Trimble Access Software Developer Kit provides software developers with the tools to customize and extend Trimble Access.

Your Mobile Office in the Field

A 1 GHz processor and 512 MB RAM provide powerful computing capabilities that allow you to run software applications quickly and reliably.

The Trimble Slate Controller runs the Windows® Embedded Handheld 6.5 Professional Operating System and Microsoft Office® Mobile® 2010, allowing you to take advantage of mobile office applications such as Word, Excel, PowerPoint, and Outlook, all without a trip to the office.

Once complete, simply transfer the job file back to your office using the Trimble Slate Controller's integrated communications technology. The Trimble Slate Controller is ready for the obstacles that may come your way. Did the client change the deliverables and the crews are already on site? No problem...simply use the communication capabilities to download the new job files without going back to the office.

Smartphone Convenience. Trimble Durability.

Whether on the job site, on the road, or in the office, the Trimble Slate Controller offers the convenient smartphone features you need to stay productive, informed, and in touch while its rugged design is built to withstand the most extreme environments your work requires. At 13.5 oz, its slim, ergonomic design means you can take the Trimble Slate controller anywhere.

Designed to hold up against the toughest of conditions, a 4.3 inch capacitive touch, Gorilla® glass display covers the entire front surface and provides superior sunlight readability without sacrificing durability.

The Trimble Slate Controller operates in extreme temperatures of -30 °C to +60 °C (-22 °F to +140 °F). It can also withstand a pole drop of 1.22 m (4.0 ft) onto a concrete surface.

Dependable when Every Point Counts

The Trimble Slate Controller, partnered with Trimble Access and the Trimble R4 GNSS receiver, provides a dedicated GNSS solution that is effective for both real time and post processed GNSS surveys. Providing everything you need to perform a basic survey campaign, this straightforward solution performs under the most rigorous conditions.

Work smart with the Trimble Slate Controller, an all-in-one device for voice and surveying data collection.

Key Features

- ▶ Familiar, easy-to-use, smartphone form factor
- ▶ All-in-one device that provides both smartphone and data collection capabilities
- ▶ Durable Gorilla Glass and 4.3 inch capacitive touch display
- ▶ Communication technology enables enhanced connectivity
- ▶ Optimized for Trimble Access field software for survey workflow support



* Trimble Slate Controller is compatible with the Trimble R4 GNSS receiver only.

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STANDARD SOFTWARE

- Windows Embedded Handheld 6.5 Professional Operating System including:
- Trimble SatViewer (GPS interface application)
 - Trimble CellStart (WWAN configuration application)
 - Microsoft Office Mobile 2010 (Word Mobile, Excel Mobile, PowerPoint Mobile, Outlook Mobile)
 - Internet Explorer Mobile 6
 - Microsoft My Phone with SMS Text Messaging
 - Camera control application
 - Flashlight mode control application
 - Calculator
 - Calendar
 - Microsoft Pictures & Videos
 - Windows Media Player
 - Windows Live Messenger
 - Microsoft Task Manager & Notes
 - Adobe Reader LE 2.5
- Operating System Language Support: Chinese (Simplified), English, French, German, Italian, Japanese, Korean, Portuguese, Russian or Spanish

STANDARD ACCESSORIES

- International AC charging kit
- USB cable
- Wrist strap
- Capacitive stylus with tether
- Ultra clear screen protectors (qty 2) kit
- Quick Start Guide

OPTIONAL ACCESSORIES

- 9-pin serial adapter
- USB host adapter
- External battery pack
- Port cover
- Ultra clear screen protectors (qty 10) kit
- Anti-reflective screen protectors (qty 2) kit
- Vehicle charging kit
- Capacitive touchscreen gloves
- Trimble headset
- External GPS antenna

All standard accessories are also available to order separately.

PHYSICAL SPECIFICATIONS

Size 15.5 cm x 8.2 cm x 2.5 cm (6.1 in x 3.2 in x 0.9 in)
 Weight 0.4 kg (13.5 oz), including battery

CERTIFICATIONS

FCC, CE, R&TTE, IC (Canada), C-tick, GCF compliant, RoHS compliant, Section 508 compliant, PTCRB, SAR, AT&T network compatible, Wi-Fi Alliance certified, CCX, USB 2.0 Full Speed, MIL-STD-810G, IP65/IP68, MIL-STD-461E.

ENVIRONMENTAL SPECIFICATIONS

- Temperature:
- Operating -30 °C to 60 °C (-22 °F to 144 °F)
 - Storage -40 °C to 70 °C (-40 °F to 158 °F)
 - Temperature shock Cycles between -30 °C and 60 °C (-22 °F and 144 °F), MIL-STD-810G, Method 503.5, Procedure I-C
- Water Survives immersion at 1 m (3.3 ft) for two hours, IEC-60529 IPx8
- Dust Protected against dust, IEC-60529 IP6x, dust chamber with under-pressure
- Drops Survives multiple drops of 1.22 m (4 ft), MIL-STD-810G, Method 516.6, Procedure IV, Transit Drop
- Humidity 90% relative humidity with temperatures between 30 °C and 60 °C (22 °F and 144 °F), MIL-STD-810G, Method 507.5, Procedure II
- Altitude 4,572 m (15,000 ft) at 23 °C (73 °F) to 12,192 m (40,000 ft) at -30 °C (-22 °F), MIL-STD-810G, Method 500.5, Procedure I, II & III
- Vibration General minimum integrity and loose cargo tests, MILSTD-810G, Method 514.6, Procedure I & II, Category 5
- Solar Exposure Survives prolonged UVB exposure, MIL-STD-810G, Method 505.5, Procedure II
- Chemical Exposure Resistant to mild alkaline and acid cleaning solutions, fuel hydrocarbons, alcohols and common vehicle and factory machine lubricants

ELECTRICAL SPECIFICATIONS

- Processor: 1 GHz, Texas Instruments DM3730
- Memory: 512 MB
- Storage: 16 GB SSD
- Expansion: MicroSD memory card slot (supports SDHC up to 32 GB, SIM card slot)
- Display:
 - 10.9 cm (4.3 in), 480 x 800 pixel, WVGA TFT
 - Sunlight-readable Gorilla Glass display
 - Light sensor to auto-adjust display brightness
 - Capacitive multi-touch interface
- Battery: 3.7 V, 3.3 Ah, 12.2 Wh, Lithium-ion polymer
- I/O: Custom Port that supports USB 2.0 Host, USB Client, 9-pin Serial and 5.6 V (5.0 V to 5.9 V) DC input power
- Audio: Integrated speaker and microphone with 3.5mm audio jack
- Wireless:
 - Integrated 3.75G cellular data, text and voice capability
 - Bluetooth 2.1 +EDR;
 - Wi-Fi 802.11 b/g/n
 - WWAN radios: UMTS / HSPA+, GSM / GPRS/ EDGE, UMTS Bands (WCDMA/FDD): 800 AWS, 850 AWS, 1900 AWS and 2100 MHz, GSM Bands: 850 MHz, 900 MHz, 1800 MHz, 1900 MHz
- Camera/GPS/compass/accelerometer:
 - 8 MP camera with geo-tagging and dual LED flash
 - GPS receiver: 2-4 m accuracy with WAAS/SBAS correction; MCX port for optional external antenna
 - Integrated electronic compass and accelerometer

Specifications subject to change without notice



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