



Settop M1

TOTAL STATION CONTROLLER

The Settop M1 monitoring controller allows users to remotely manage and control Trimble Total Stations. The Settop M1 works seamlessly with Trimble 4D Control software to reliably transfer data from the Total Station into T4D.

The monitoring controller has an easy to use Web User Interface which allows the user complete control over their Total Station, including remotely configuring automatic measurement cycles. The Web UI is fully accessible both via local network connection and via the Internet. This allows users to remotely access their Total Stations at anytime and from anywhere. The Settop M1 has a built-in cellular modem with a user accessible slot for installing a SIM card.

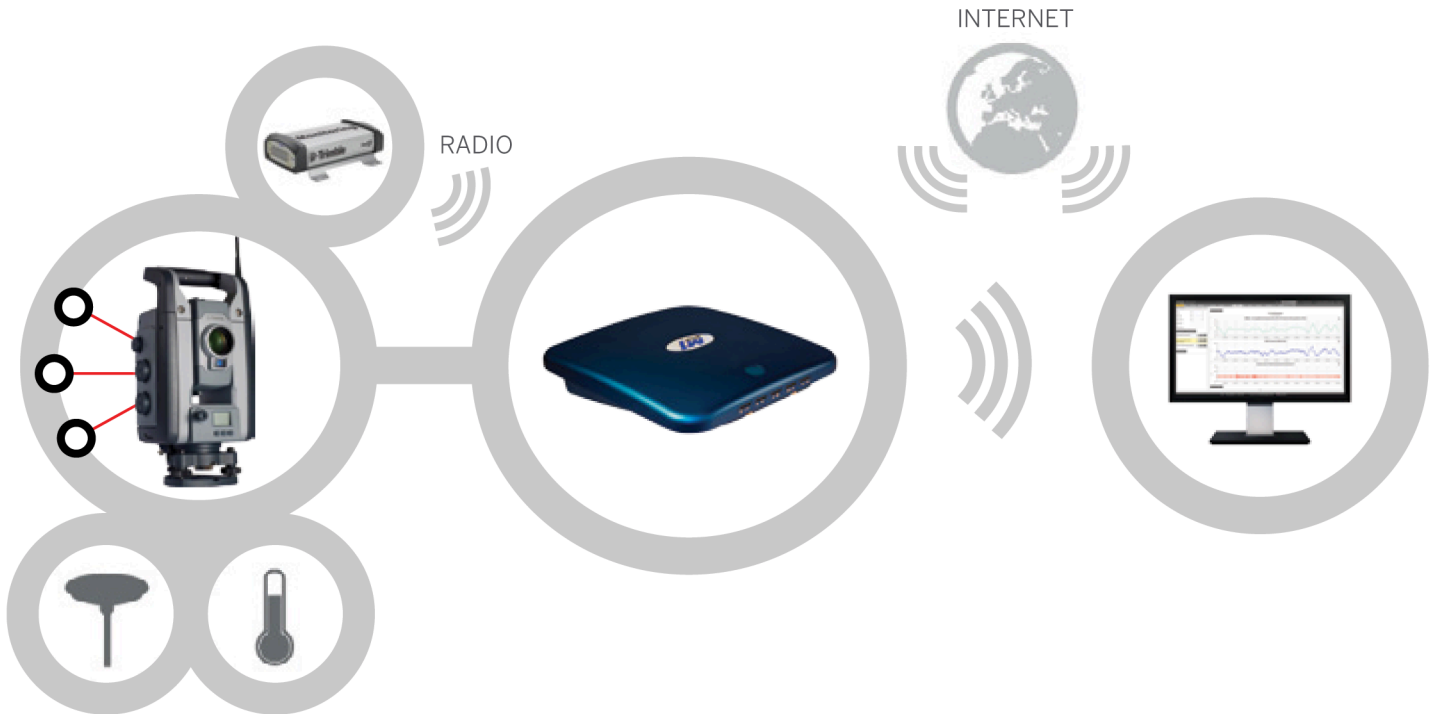
Another useful feature of the monitoring controller is that it has internal data storage that allows it to collect data from the Total station and transmit it to T4D at a later time if the internet connection is down.

The Settop M1 combines the functionality of a field computer, device server, router, and remote switch all into a single device, reducing the number of components required in the field. This greatly reduces the complexity of a system setup in the field saving time and effort. The Settop M1 also has several extra communication ports to allow connection of other monitoring sensors, such as the included external temperature sensor.

Applications

Applications:

- ▶ Structural Monitoring
- ▶ Slope Monitoring
- ▶ Mine Monitoring
- ▶ Construction Monitoring





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Communication Ports

- 1 RS232/USB Host Event port, PPS Power In/Out
- 2 RS232/USB OTG port Power In/Out
- 1 FME connector for GSM antenna
- 1 Slot SIM card
- 1 Slot MicroSD card

Electrical & operating requirements

- External Power: 12 – 30V AC.
- Power:
 - All components activated at full power: 12.8 W
 - GSM reception mode: 5.6 W
 - GSM mode & radio off: 3.6 W
- Operating temperature –40° a 75° C
- Storage temperature –55° a 85° C
- Random vibrate MIL-STD 810F (7.7 g RMS)
- Vibrate SAEJ1211 (4 g)
- Bump/Shock IEC 68-2-27 (30 g)
- IP67

Connections

- GSM HSDPA modem (3.5G)
- Dual Band UMTS: 900 / 2100 MHz (EU3-E)
 - Five-Band UMTS: 800 / 850 / 900 / 1900 / 2100 MHz (PH8-P)
 - Dual Band GSM: 900 / 1800 MHz
 - HSDPA data: DL : max. 3.6 Mbps, UL: max. 384 kbps
 - UMTS data: DL: max. 384 kbps, UL: max. 384 kbps
 - EDGE data: DL: max. 237 kbps, UL: max. 118 kbps
 - GPRS data: DL: max. 86 kbps, UL: max. 43 kbps
 - GSM/CSD data transmission: 14.4 kbps

WiFi

IEEE 802.11b/g

Bluetooth

2.0 + ERD (Enhanced Data Rate) wireless technology.

Size and weight

- Size:
 - Width: 13.8 cm
 - Depth: 13.8 cm
 - Height: 3.5 cm
- Weight: 0.6 Kg

Ordering Information

Part No.	Description
110471-00	Settop M1 Monitoring Controller includes: AC/DC power supply Trimble Total Station to Settop M1 cable External temperature sensor and cable

Specifications subject to change without notice.



Geotronics, S.L. Calle Dublin, 1, planta 1ª,
Polígono Európolis, 28230 Las Rozas (Madrid)
Tel. + 34 902 30 40 75 - Fax. + 34 916 370 074
www.geotronics.es - geotronics@geotronics.es



NORTH AMERICA
Trimble Navigation Limited
10368 Westmoor Drive
Wesminster, CO
USA
MonSol_Sales@Trimble.com

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