TRIMBLE PIVOT PLATFORM CORE APPS TECHNICAL NOTES



The Trimble Ephemeris Download App

This application allows users to download important GNSS relevant data files from providers on the Internet via HTTP or FTP. The Trimble Ephemeris Download App operates on the Trimble[®] Pivot[™] platform, the foundation for multiple Infrastructure apps that serve various markets and their specific needs.

TRIMBLE EPHEMERIS DOWNLOAD APP

High accuracy GNSS applications require accurate orbit information to achieve the highest performance during GNSS data processing. This applies to several applications:

- Postprocessing of static positions
- Integrity monitoring of CORS station positions
- Network processing
- Estimation of tropospheric slant delays and IPWV

Some applications require additional quality information about the satellite such as differential code bias information.

The Trimble Ephemeris Download App downloads predicted and precise orbits as well as differential code bias files. It supports different sources for various data types. Orbits may be retrieved from:

- IGS
- University of Bern
- A backup source if the primary source is not available

Differential code bias files may be retrieved from:

- Trimble
- University of Bern

The Trimble Ephemeris Download App is one of the core Apps required by the majority of Pivot Apps.



The Trimble Streaming Manager App

This application allows users to stream the data from one or multiple Continuously Operating Reference Station (CORS). The Trimble Streaming Manager App operates on the Trimble Pivot platform, the foundation for multiple Infrastructure apps that serve various markets and their specific needs.

TRIMBLE STREAMING MANAGER APP

In a base / CORS array or a GNSS station network, data communication and routing play a key role in the operation of the system. Data needs to be streamed, eventually replicated, shared and controlled.

The Trimble Streaming Manager App is an effective tool that organizes the streaming of the data from the reference station to all software modules using the data. The Trimble Streaming Manager App provides users full control over streaming and the distribution of your reference station data.

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Trimble Streaming Manager App Status View on the Trimble Pivot Platform





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Trimble Instrument Configurator App

This application allows users to control and manage multiple Trimble Receivers. Trimble Instrument Configurator App operates on the Trimble[®] Pivot[™] platform, the foundation for multiple Infrastructure apps that serve various markets and their specific needs.

TRIMBLE INSTRUMENT CONFIGURATOR APP

System operators managing a Continuously Operating Reference Station (CORS) array or a GNSS station network face the challenges of needing to install, configure and maintain multiple reference station receivers. Depending on the number of CORS stations running in the array / network, an operator can experience a heavy workload keeping all receivers updated and consistent.

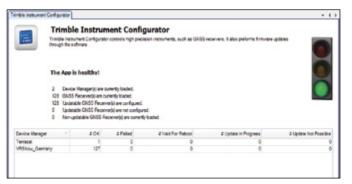
Trimble Instrument Configurator App provides users with the ideal tools to reduce workload and increase productivity and efficiency. Trimble Instrument Configurator App offers various possibilities to monitor the current status of reference stations as well as maintaining up-to- date firmware versions by performing automated updates on one or multiple receivers at the same time.

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	Station Name	Station Code	Receiver Type 1	Address	User	Firmulare	Update Status	
	Plankinchen	0265	TRIMELE NETRS	80		Not-Resolution	0K	
	Augeburg SAPOS	0259	TRIMELE NETRS	10		Not-Available	OK	
	Muenchen SAPOS	0256	TRIMELE NETRS	80		Not-Ivailable	OK	
	Velheim	6271	TRIMELE NETRS	-80		Not-Available	OK	
	Wertach	0269	TRIMELE NETRS	:00		Nor-Available	OK	
	Plafferholer.	0258	TRIMELE NETRS	-80		Not Available	ox	
	Foserheim	0272	TRIMELE NETRS	-00		Not-Available	OK.	
	Passau	0261	TRIMELE NETRS	30		Not-In-milable	OK	
	Landshut	0296	TRIMELE NETRS	40		Not-Available	OK	
	Lindeu	0292	TRIMELE NETRO	:00		Not-Available	OK	
	Mindelheim SAPOS	0273	TRIMELE NETRS	80		Not Available	OK	
	Guereburg	0274	TRIMELE NETRS	-80		Not-Available	OK	
	Jachaffenburg	6287	LECA GRH2E.			Not Available	Fir/not updatable	
	Benchtengeden SAPOS	0294	TRIMELE NETRO	40		Not-Available	ox	
	Eventeening	0291	TRIMELE NETRO	:00		Not-Available	OK	
	Jacheu	0264	TRIMELE NETRS	30		Not lumitable	OK	
	Kalheim-Bylestein	6278	TRIMELE NETRS	-80		Not-Available	OK	
	Exhibited SiVOS	6277	LEICA GRIVIDE.			Nor-Available	Fivinot updatable	
	Mauth-Finaleries	0296	TRIMELE NETRO	80		Not-Ivailable	0K	
	Straubing	0257	LEICA GRH2D.			Not-Available	Fivinot updatable	

Trimble Instrument Configurator firmware update overview

TRIMBLE INSTRUMENT CONFIGURATOR APP STATUS VIEW

Application health status information is provided at a glance for all activated apps running under the Trimble Pivot platform. Trimble Instrument Configurator App Status View provides status information on firmware updates. It assists the operator in analyzing critical and non-critical situations in real-time to better assist field end users. The traffic light indicator provides a high level application status summary.



Trimble Instrument Configurator App Status View on the Trimble Pivot Platform

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