JAVAD

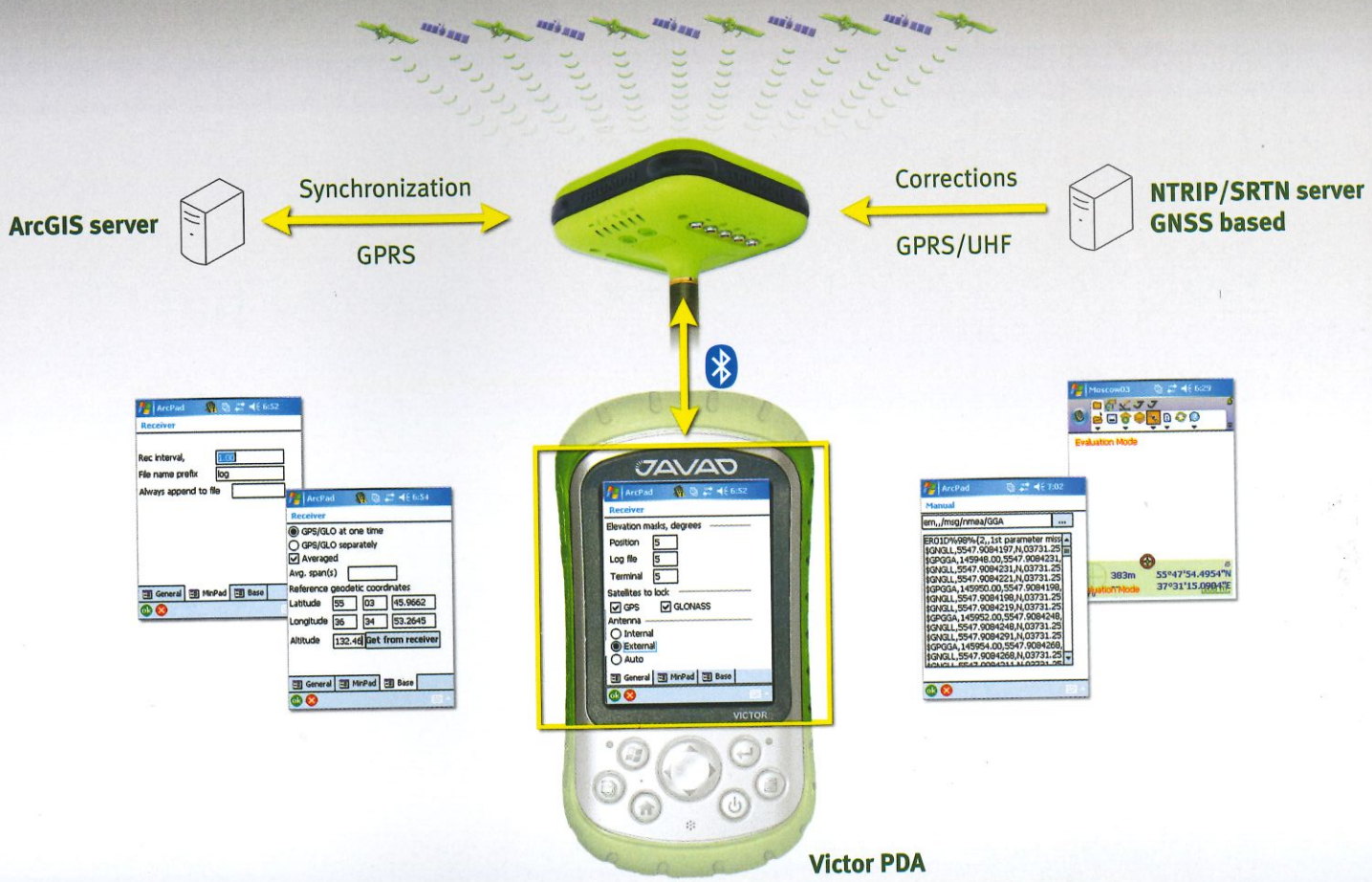
WWW.JAVAD.COM

TRIUMPH 1
TRIUMPH – 4X
216 channels

JAVAD ArcPad Extension
in focus

JAVAD ArcPad Extension

JAVAD ArcPad Extension enhances the spectrum of ArcPad's surveying capabilities by adding state of the art JAVAD GNSS solutions. JAVAD ArcPad Extension provides a full range of functions to control the GNSS receiver and manage the surveying process. Broadcasting/Receiving differential corrections and synchronizing ArcPad with ESRI's GIS server is enabled by utilizing advanced wireless communication technologies such as Bluetooth, GPRS, and UHF. Note that JAVAD ArcPad Extension uses the receiver's internal GSM modem so no additional devices (external radio) or settings are required.



JAVAD ArcPad Extension establishes a connection to the receiver via serial, USB, or Bluetooth. Users will find software dialogs familiar as they are similar to the mapping/surveying software tools they have used in the past.

Only three buttons are needed to control data logging, configure the base station parameters that govern the RTK and UHF radio setups, and GSM modem settings.

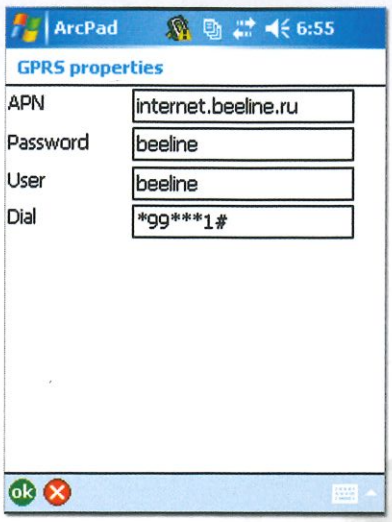
Quality control of real-time positioning results are assured in the field. The JAVAD GNSS Victor PDA displays the status/process progress continuously via the Bluetooth connection to the receiver. With the Victor's graphical user interface, the operator can perform basic file manipulation operations such as start/stop data logging, delete files, initialize the internal file system, etc. Should the user need customization of the receiver's parameters, a terminal software emulation utility allows executing individual commands or entire scripts written in the GREIS interface language.

Advanced RTK accuracy and ArcPad vector/raster map visualization capabilities deliver reliable object positioning and a new level of job control in the field. Coupled with GIS server synchronization, JAVAD ArcPad Extension adds new functionality to surveys thanks to professional management and coordination of group work.

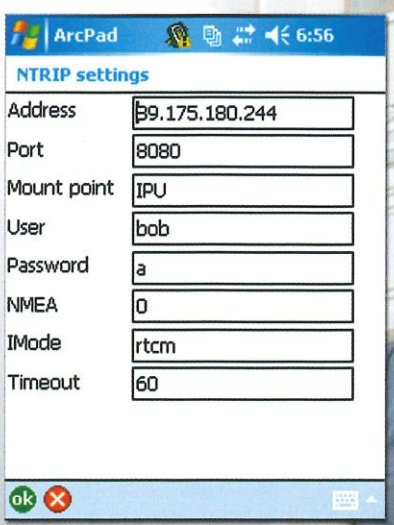
JAVAD ArcPad Extension is an optimal ESRI-compatible solution for a wide variety of civil engineering or cartography tasks where centimeter level accuracies are required.

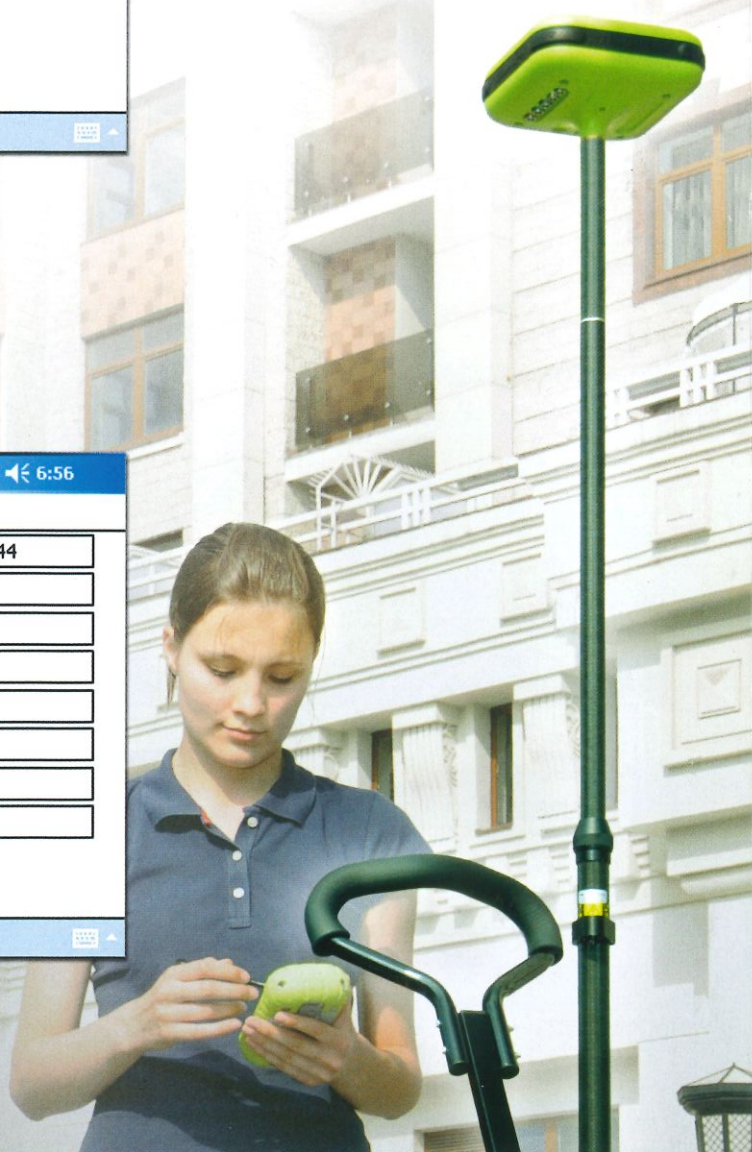
At the core of this solution lies highly integrated JAVAD GNSS technology optimized for use with ESRI's GIS software.

- **Connect PC to the internal (or an external) JAVAD radio modem via the serial interface or Bluetooth® wireless technology**
- **Display information about the status of the radio modem (either the internal or an external modem connected to the receiver)**
- **Control JAVAD GNSS radio modem setup**
- **Load firmware updates into the internal modem (or the external JAVAD GNSS modem used with the receiver)**



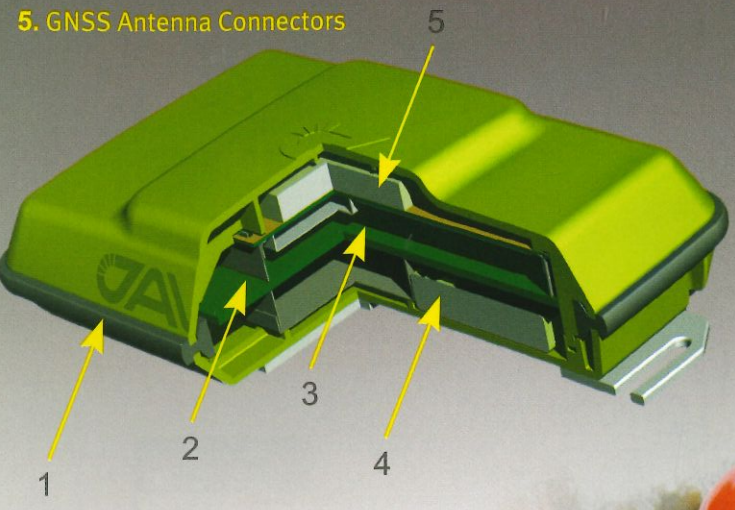
- **Real time kinematic can provide high-accuracy positioning (precise to a few centimeters) by using differential corrections (in RTCM or CMR) transmitted by the NTRIP and CRTN services via GPRS or UHF.**
- **Dual frequency GPS+GLONASS receivers deliver high accuracy on longer baselines.**





Actual size

1. Guard Bumper
2. Bluetooth/GSM Antenna
3. GNSS Receiver, Power Board, GSM/Bluetooth and Memory
4. Rechargeable li-Ion Battery
5. GNSS Antenna Connectors



GISmore

stand-alone or inside the hat

Bluetooth wireless connection to GISmore

- GPS L1
- Galileo E1
- GLONASS L1
- 100 Hz update rate
- 100 Hz update rate
- RAIM
- WAAS/EGNOS
- Rechargeable Li-Ion Battery
- GNSS Antenna
- GSM Module
- Bluetooth® Interface
- Bluetooth/GSM Antenna

GISmore receiver is based on our TRIUMPH Technology implemented in our TRIUMPH Chip. For the first time in the GNSS history we offer very powerful GIS field mapping receiver with up to 100 Hz RTK, 216 channels of single frequency GPS, Gallileo and GLONASS in a small attractive, sturdy, and watertight box.

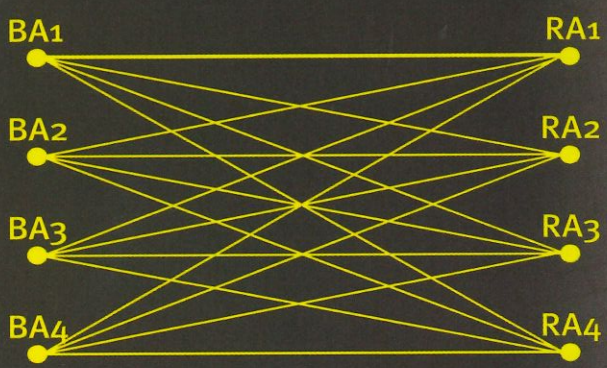
Many ways to use

GPS + GLONASS + Galileo

TRIUMPH 1

4x4... ALL WILL DRIVE... RTK!

TRIUMPH-4x



4 base — 4 rover, 16 baselines

Please see www.javad.com for details

Software solutions for all tasks

Justin

A comprehensive Survey and GIS software

Justin has integrated native tools to use ESRI or MapInfo cartography windows.

It can import data files as well as whole folders. Justin employs special technique to process high rover data rates (up to 100 Hz) using low base data rates. Other features include single epoch static solution, manual postprocessing with time line chart, using vertical profile to filter out suspected data and scientific data analysis and viewer.

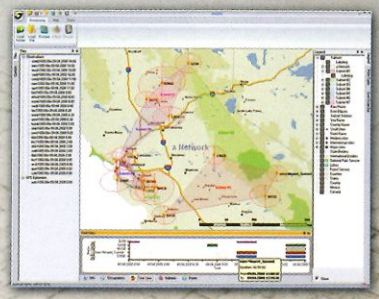
Victor

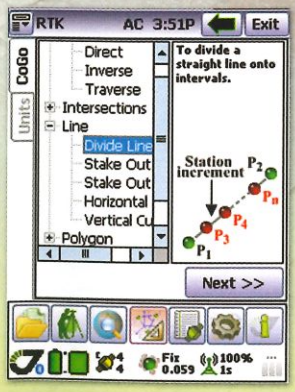
Victor is pre-loaded with our Tracy field software. When turned on, Victor automatically connects to TRIUMPH-1, TRIUMPH–4X or GISmore via its internal Bluetooth and guides you through field operations. It manages the GNSS receiver and modem operations automatically.

- **Lightweight (17 ounces; 482 grams) magnesium case with easy-to-grip over-molding**
- **Operating temperature -22°F to 122°F (-30°C to 50°C)**
- **Connectivity via built in Bluetooth, USB Host and Client, plus 9-pin RS-232 and optional WiFi and Modems**
- **Rechargeable, field replaceable, Li-Ion battery**
  It operates for more than 20 hours on one charge (3 to 5 hours of charging time)

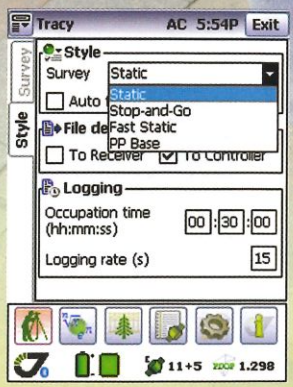
Giodis

Full-featured office post-processing software

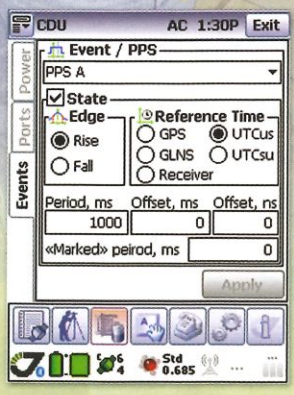




Support for survey and stakeout projects



Static, Fast Static and Stop&Go surveying



Configuration of all hardware

Tracy

A versatile and powerful field software

Software for Windows Mobile OS to control receivers, automated GNSS post processing surveying tasks (Static, Fast Static, Stop&Go, Data Acquisition), and to perform RTK survey and stakeout tasks.

Other Receivers

ALPHA

- INTERNAL BATTERY
- CHARGER
- GSM
- BLUETOOTH

FOR: TR-G3, TR-G2T, TR-G3T

Front panel connectors:

Power Input + serial port A + USB + Antenna

Back panel connectors:

Can have up to 3 connectors of 1-PPS · Event Marker · IRIG · GSM Antenna (without Bluetooth antenna).

When Bluetooth antenna is installed only one extra connector can be installed.

Example 1: BT Antenna + GSM Antenna
Example 2: 1-PPS output + Event Marker + GSM Antenna

DELTA

FOR: TRE-G2T, TRE-G3T, DUO-G2, DUO-G2D, QUATTRO-G3D

Front panel connectors:

Option 1: Power Input + Serial A + Serial B + Serial C + Antenna

Option 2: Power Input + USB + Serial A + Serial C + Antenna

Options 3: Power Input + USB + Serial A + Serial C + Ethernet

Back panel connectors:

Can have up to 4 connectors of 1-PPS A · 1-PPS B · Event A · Event B · Antenna · CAN · IRIG B

Example: 1-PPS A + 1-PPS B + Event A + Event B

SIGMA

- INTERNAL BATTERY
- CHARGER
- MODEM
- GSM
- BLUETOOTH

FOR: TRE-G2T, TRE-G3T, DUO-G2, DUO-G2D, QUATTRO-G3D

Front panel connectors:

Can have Power Input · Second Power Input · USB · Serial A · Serial B or C · Ethernet

and up to 4 connectors of 1-PPS A · 1-PPS B · Event A · Event B · Antenna · CAN · IRIG · RS422

Back panel connectors:

Can have SIM door and GSM Antenna connector and up to 4 connectors of 1-PPS A · 1-PPS B · Event A · Event B · Antenna · IRIG · Modem Antenna · Bluetooth Antenna

Example: GSM Antenna + SIM door + 1-PPS A + 1-PPS B + Event A + Modem Antenna