

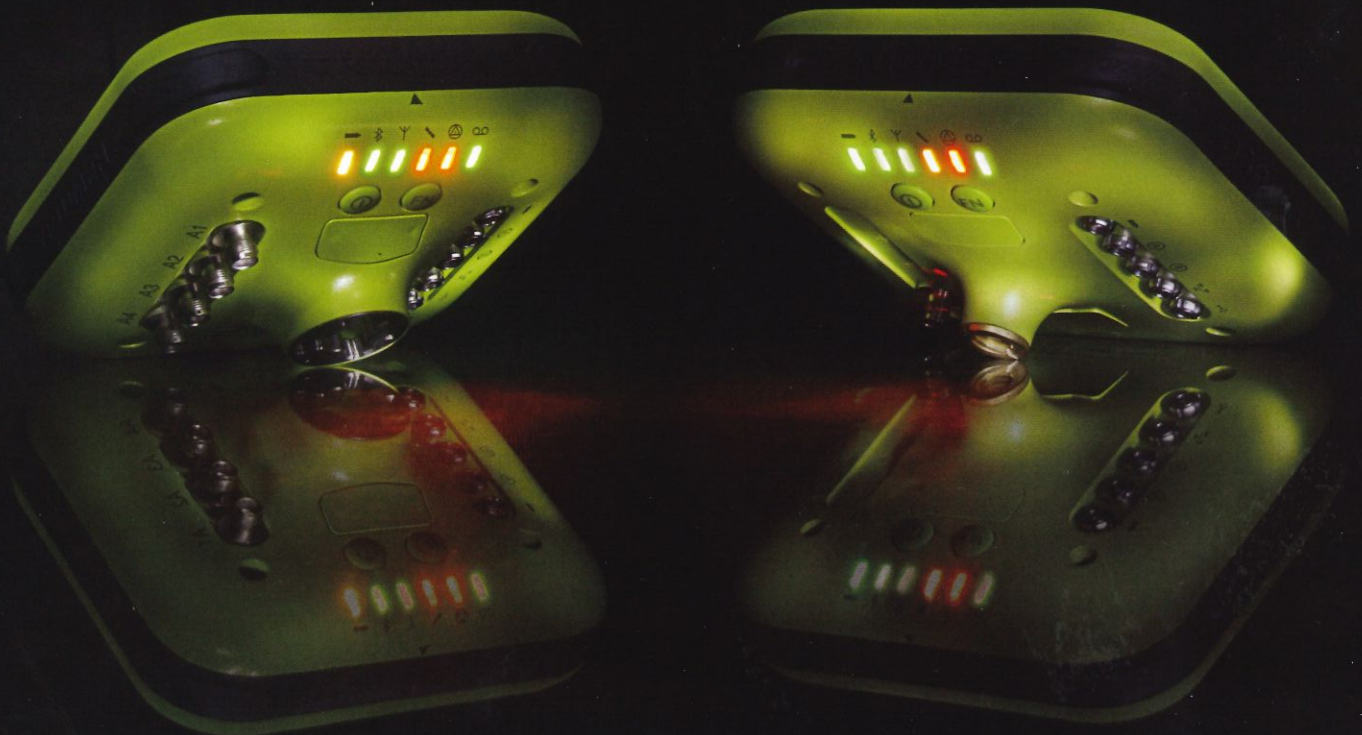


**JAVAD**

WWW.JAVAD.COM

# TRIUMPH 1 TRIUMPH – 4X 216 channels

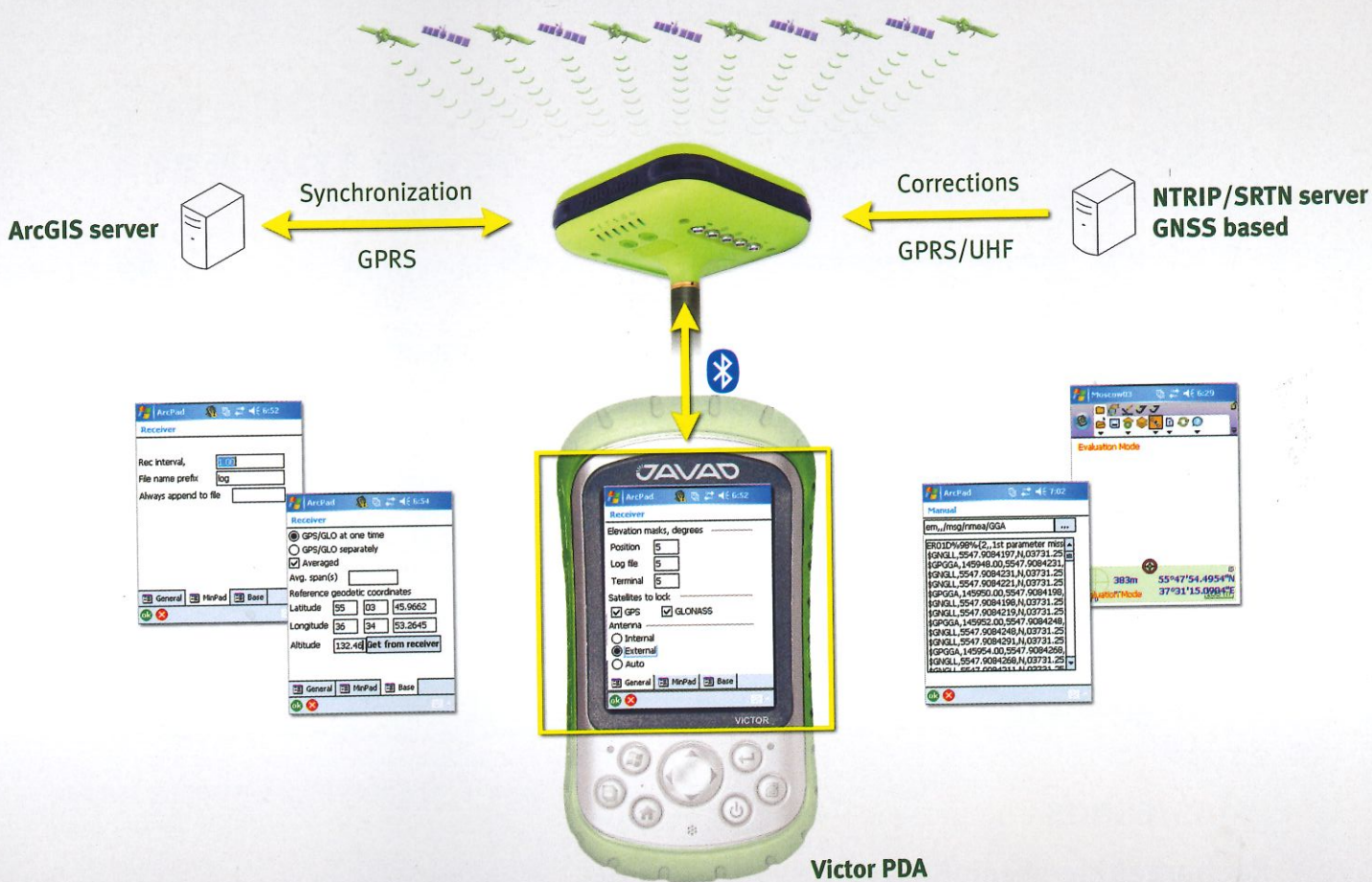
JAVAD ArcPad Extension  
*in focus*



# JAVAD ArcPad Extension

In response to a long-standing request from ESRI, JAVAD GNSS is pleased to announce that ArcPad users can now communicate directly with ESRI ArcGIS Server via our Triumph receiver so no additional devices (external radio) or settings are required. Real-time centimeter-level positioning is now possible in the field for ArcPad users.

- 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.
- JAVAD ArcPad Extension establishes a connection to the receiver via serial, USB, or Bluetooth and configures the base station parameters that govern the RTK and UHF radio setups, and GSM modem settings.



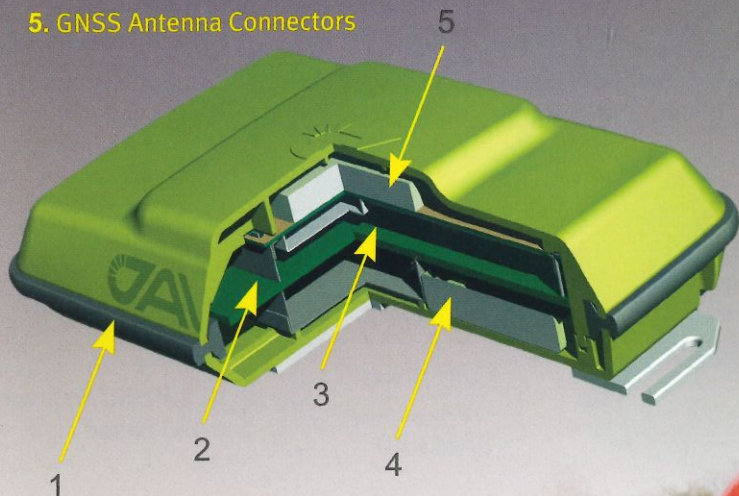
- Quality control of real-time positioning results are assured in the field. The JAVAD GNSS Victor PDA displays the status/process progress continuously via the Bluetooth connection to the receiver.
- Advanced RTK accuracy and ArcPad vector/raster map visualization capabilities deliver reliable object positioning and a new level of job control in the field.
- 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.



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



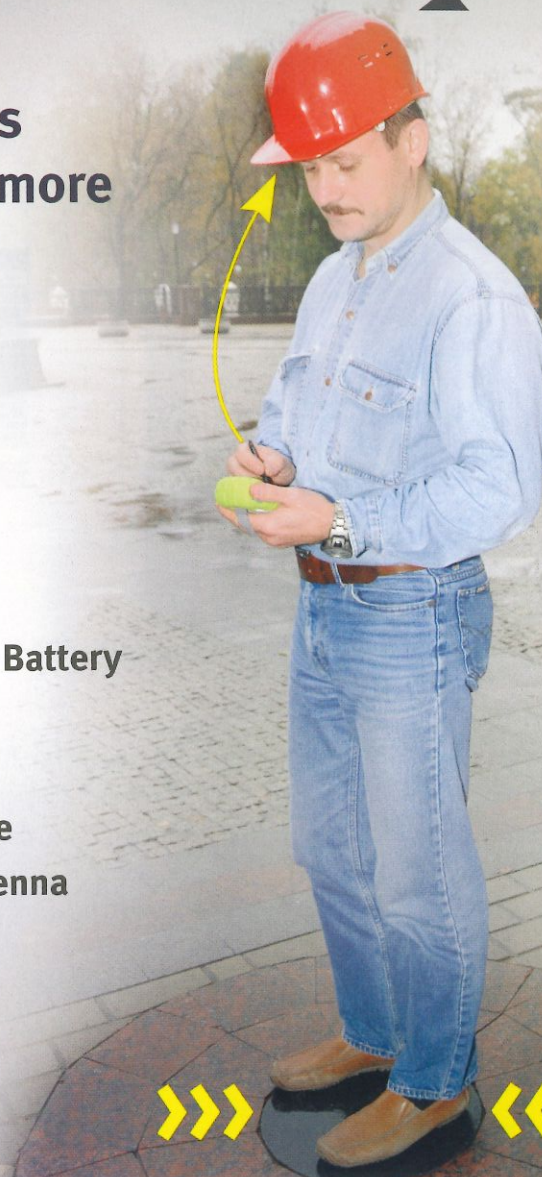
# GISmore

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

Many  
ways  
to use



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, Galileo and GLONASS in a small attractive, sturdy, and watertight box.



GPS + GLONASS + Galileo

# TRIUMPH 1



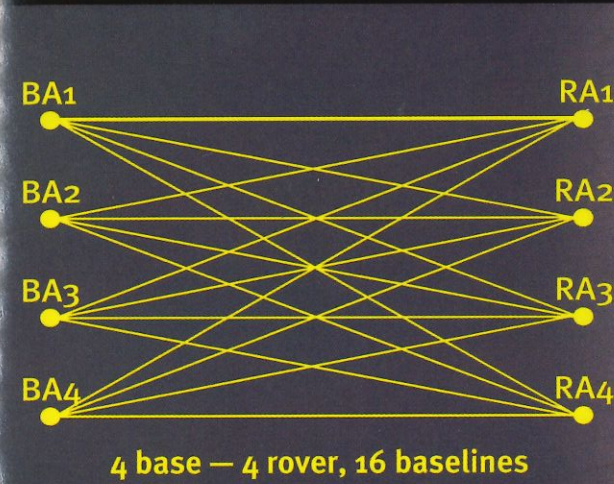
One base—one rover, one baseline

*RTK with TRIUMPH – 4x is based on 16 baseline calculations instead of one. See details in [www.javad.com](http://www.javad.com).*



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

# TRIUMPH-4x



Please see [www.javad.com](http://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.

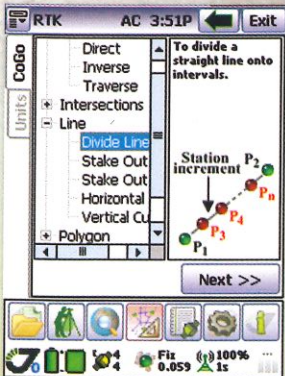
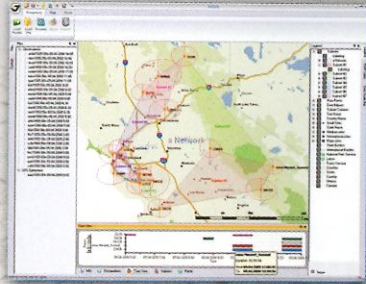
It can import data files as well as whole folders. Justin employs special technique to process high rover data rates (up to 100 Hz) using low base data rates. Other features include single epoch static solution, manual postprocessing with time line chart, using vertical profile to filter out suspected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

## Victor

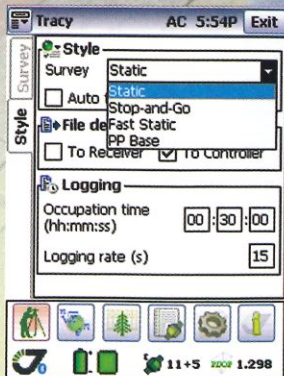
Victor is pre-loaded with our Tracy field software. When turned on, Victor automatically connects to TRIUMPH-1, TRIUMPH-4X or GISmore via its internal Bluetooth and guides you through field operations. It manages the GNSS receiver and modem operations automatically.

## Giodis

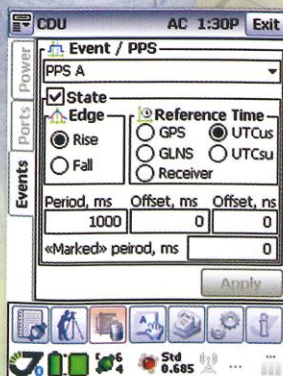
### Full-featured office post-processing software



Support for survey and stakeout projects



Static, Fast Static and Stop&Go surveying



Configuration of all hardware

- **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)

## 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-PPSB • EventA • EventB • Antenna • IRIG • Modem Antenna • Bluetooth Antenna

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