

# Introducing the t•Pad™ 800

tactical pilot awareness display

Go from cockpit clutter  
to heightened safety and control—  
without the high price.



# Electronic flight-bag technology in the cockpit is the flight path of the future.

## Use your laptop to bring its advantages within reach.

Have you ever spent more time hunting for a map or chart than using it? Ever wished all your approach plates, manuals and checklists could be put at your fingertips via a single, user-friendly tool? Then you are ready for navigation technology that goes beyond pre- and post-flight assistance to enhance your control of situations *as they occur*. You're ready for the navAero Tactical Pilot Awareness Display (t-Pad™ 800).



The t-Pad 800 puts all the convenience and power of Windows®-based aviation software right where you want it—on your knee—at a fraction of what you would expect to pay.

## Strap on the aviation navigation software of your choice.

Use all of the most advanced Windows-based aviation software from Jeppesen®:

**FliteMap®** for total navigational superiority

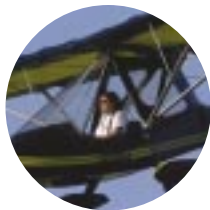
**JeppView® with FliteDeck®** for the industry standard in IFR

Or choose whatever other software products you prefer:

**MountainScope™** (for excellent altitude awareness),

**FUGAWI Military™** (for tactical low-level navigation),

**RMS/FliteSoft™/Vista™** (for a low-cost moving-map solution),  
electronic logbooks and many more



## Be the best pilot you can be. For example:

- Supercharge safety, efficiency and control in the cockpit
- Have the information you need right in front of you at all times
- Reduce distractions and workload
- Access moving-map navigation with all current aeronautical data
- Increase safety by avoiding runway and airspace incursions
- Reduce pilot error
- Perform instant calculations and conversions
- Manage approach plates, manuals and checklists
- Do flight planning
- Be current with your logbook
- And more



# navAero™

## t·Pad™ 800

### Key features:

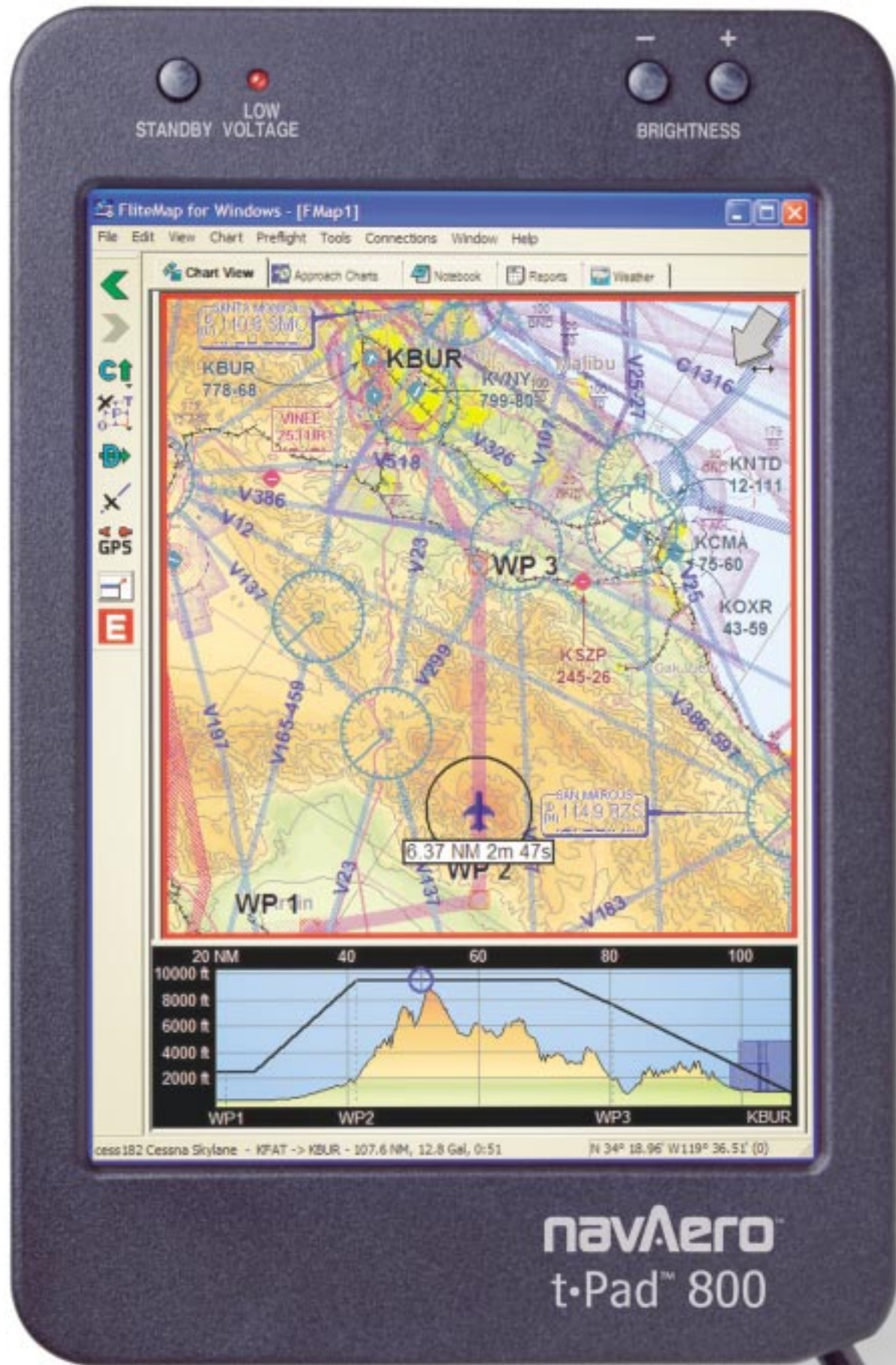
- Sunlight-readable touch screen with stylus
- Fully dimmable, for night flying
- Onscreen keyboard
- Full-monitor functionality
- Enables all capabilities of moving-map technology
- Rugged yet lightweight aluminum construction
- Thin and comfortable ergonomics
- Upfront brightness controls
- 8.4" active-matrix liquid crystal display color screen
- Display: 800 x 600 pixel (portrait mode)
- 1-year warranty (parts and labor)
- Fits the standard 6-1/4" radio stack for experimental aircraft
- All necessary drivers, cables and portrait-mode software included
- Assembled in USA



The touch-screen t·Pad 800 uses the latest digitizer technology.



VGA, USB and 12V power cables included.



Actual size

The t·Pad 800 should not be used as your primary navigational source. t·Pad 800 is a trademark of navAero Corporation. Pentium is a registered trademark of Intel Corporation. Windows is a registered trademark of Microsoft. Jeppesen FlightMap and Jeppesen JeppView with FliteDeck are registered trademarks of Jeppesen Sanderson, Inc. MountainScope, FUGAWI and RMS/FliteDeck are trademarks of each of these corporations, respectively. © 2003 navAero, Inc. All rights reserved.

### Accessories



GPS sold separately; or use your own.



Optional battery runs and charges your laptop at same time it runs t·Pad 800.

### System Requirements

Laptop with Pentium® processor (minimum 333 Mhz)  
15-pin D-sub VGA connector, USB connector, GPS  
Any appropriate software

### Specifications

**DISPLAY**  
Type of display technology - Color TFT LCD  
Display size - 8.4 inch  
Resolution - 800x600 (portrait mode)  
Colors - 262,144  
Pixel Pitch - 0.213 mm sq  
Brightness - 3 to 750 nits in direct sunlight with enhanced readability  
Contrast ratio - 350:1  
Viewing angle - 140° x 100°  
Back light life - More than 20,000 hours

**SCREEN DIGITIZER**  
Type of digitizer technology - Electro-magnetic resonance  
Resolution - 0.001 mm (2548 ppi)  
Coordinate accuracy - ± 0.4mm  
Digitizer input - Stylus

### DISPLAY INPUT

Input type - Analog SVGA RGB analog (75 ohms, 0.7Vp-p)  
Frequency - 50~75Hz  
Sync - H-sync, V-sync

### COMPATIBILITY

PC - VGA up to 800x600

### CONNECTORS

SVGA signal - 15-pin hi-density D-sub with screw locks  
DC power - 2 x 4.3 mm sockets (positive in the center)  
USB - "B" Receptacle interface (Square)  
Screen - 12-pin circular with screw locking to IEC 130-9

### POWER

Voltage - +10 to +28 volt DC (12 volt DC)  
Amperage max - 0.8A  
Consumption - Less than 10W at full brightness (7W at typical use)

### CONTROLS

Screen -  
Pushbutton switches  
• Standby  
• Brightness increase  
• Brightness decrease  
Low voltage indicator  
• Red LED

### Interface Box -

Toggle switch  
• Power On/Off  
Pushbutton switches  
• Menu  
• Select  
• Up and Down  
• Aux

### OPERATING CONDITIONS

Temperature range - -20°C to 60°C (-4°F to 140°F)  
Humidity - 10% to 90% (non-condensing)  
Altitude - 40,000 ft.

### PHYSICAL DATA

Screen -  
6.2" (W) x 9.4" (L) x 0.6/0.9" (D) 2.1 lbs.  
156.5mm (W) x 239mm (L) x 16/23mm (D) 980g  
Interface Box -  
5.6" (W) x 6.7" (L) x 1.3" (D) 1.5 lbs.  
141mm (W) x 171mm (L) x 34mm (D) 700g

### REGULATIONS

CE - EN55022, EN55024  
FCC - CFR47 Part 15, sub-part B, Class A

### WARRANTY

1 year, parts and labor

## Enjoy all these advantages when using third-party software:

Find all airports, VORs and NDBs	TAFS & METARS (Meteorological Actual Reports)
Track up or North up	Sigmets and AIRMETS
Multiple Pilot Profile database	NOTAMS
Multiple Aircraft database	Center weather advisories
Easy programming wizards	E6B calculator
Worldwide chart coverage	Electronic logbook
Current approach plates	Desktop or in-flight (program at home, before flight)
Electronic Worldwide Ruler	GPS navigation
Ultimate Flight-Planning directory	GPS upload/download
Automatic nav logs	Moving-map displays
Automatic flight plan filing (FAA or ICAO)	Record journeys
All current communication frequencies	Store repetitive route plans
Altitude planning	Print reports, flight plans and nav logs
CFIT avoidance-terrain clearance	Touch-screen display
Altitude alert	Flight maps or road maps
Route planning	IFR/VFR routings
Fuel planning	Store favorite views
Fuel finder	Massive search database
Airspace avoidance	Easy to read in daylight or at night
Instant diversion planning	At-a-glance route map
Weight and balance calculations	SIDS & STARS
Takeoff weights	Alternate planning
Landing weight calculation	User-defined waypoints
Takeoff performance calculator	Reverse route
Ultralight to private to corporate	Check lists user-defined
Weight and balance calculations	Instant conversions tool
DUATS terminal (Direct User Access Terminal System)	Vertical nav planning
Route and area weather	Time function
Weather outlooks	Accurate ETA and distance
Graphic weather maps	Upper wind calculation
Winds aloft	See sunrise/sunset tables
Pireps	Noise abatement routes
	Three-dimensional terrain view

Best of all, with t•Pad 800, you're prepared for any new software innovations.

**The t•Pad 800 is simply the most cost-effective,  
fully dimmable sunlight-readable display ever.  
To purchase your t•Pad 800 today, call 1 866 navAero  
or go to [www.navAero.com](http://www.navAero.com).**

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intelligence<sup>™</sup>