

APIC

Approach Integrated Cockpit



From PDA's to PC's -- Approach is supplying each pilot with all the necessities to keep up in the world of Technology. APIC provides moving map, artificial horizon, real time XM weather, flight planning functionality and much more all in one powerful software package...

Empower yourself with the **AProach Integrated Cockpit (APIC)** and use features in the palm of your hand typically only found in state of the art glass cockpits. APIC combines many features in one simple package, why would you pay more for anything less? APIC combines a PFD style attitude indicator, a full function moving map with terrain depiction and warning. A HSI page keeps you on track while a Vertical Nav page shows you terrain in front of you. Keep an eye on changing conditions with the addition of a XM Weather module (See APIC Wx). APIC was designed by pilots for pilots ensuring extreme ease of use. Take APIC every time you fly either as a primary or back up device.

After flying with APIC you'll soon find its features very valuable and just how easy it is to use. Whether you just got your license or have been flying for years, APIC has features for you. Every 28 days the aviation data base is updated and new features are added. With APIC on a PDA you won't find a more convenient and compact way to get you where you are going. Fly APIC and see.

To find out more about APIC and all its functions call us at 801.802.8079 where one of our very knowledgeable staff can answer any question, or visit us on the web at www.approach-systems.com



APIC NOW WITH XM WEATHER

HIGHLIGHTS

The APIC/PDA "glass cockpit" provides many cost effective and valuable features that supply you with all the necessary information for your flight..

- **Primary Flight Display**
- **Moving Map**
- **Flight Planning Capabilities including "Direct To"**
- **Satellite Connection Indicator (Always informing you of your GPS reception)**
- **2D Terrain Depiction**
- **Terrain Awareness**
- **Vertical Navigation**
- **HSI and VOR indicators**
- **Look Ahead ATIS**
- **Gas-N-Grub -- Approach's new on field restaurant and self-serve fuel indicator.**
- **Flight Plans**
- **Easy to View Approach Plates***
- **Airport Search Function**
- **Weather Integration**
- **And Much More...**

*Approach Plates must be installed for viewing (PDF)



WxWorx™





APIC Quick Reference Guide

Tap to zoom in.

Tap to zoom out.

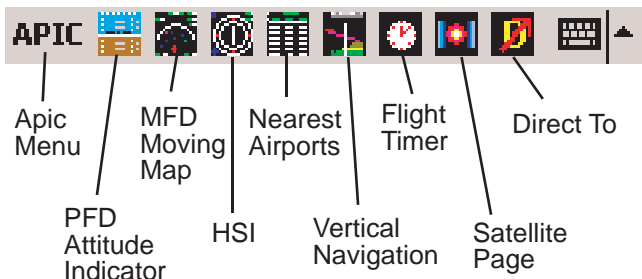
Tap on any icon (circle) to view the airport info.

Tap on the plane to switch between the 360 and 180 degree view.


To populate and depopulate the map. Click on **APIC** then Settings, and check the appropriate boxes according to the desired map detail.



Below is the Apic Toolbar and a legend of the icons:



How to create a flight plan:

Either Click the  icon or **APIC** then "Flight Plan". A new screen will appear. In the bottom left corner click on **Flight Plan** then "Add" and select "Airports" and enter in your desired destination.



The Primary Flight Display couples many of the standard flight instruments into a single convenient display. An artificial horizon is used to depict pitch and roll of the aircraft. Also the compass tape at the top of the view displays either true or magnetic heading. Tap the heading value box to toggle between true and magnetic heading. The airspeed tape on the left displays Ground Speed (GS). *True Airspeed and Indicated Airspeed available with the optional VPOD purchase.*



The moving map displays essential flight information such as heading, speed and altitude. In addition, the moving map displays the location of airports, navaids, boundaries of controlled airspace and special use areas such as restricted areas and military operation areas. Airports are always displayed; however, navaids, boundaries and special use areas may be displayed or removed to de-clutter the display. You may select what is displayed by navigating to the APIC->Settings menu and checking/unchecking the items you want displayed.



The Vertical Navigation page can display a profile of terrain ahead of the aircraft as well as the vertical descent path to a selected runway. To display terrain on this instrument, select the terrain option on the settings dialog. The distance from the left side of the display to the right side is the same as the map range.

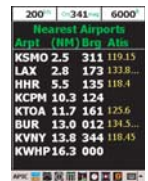


The Navigation Indicator is used similar to any VOR Nav indicator. Instead of dialing in a navaid radio beacon frequency you can select a navaid by tapping the "Nav" button in the top left corner and entering a 3 or 4 letter identifier. Select a radial to or from the navaid by tapping the "OBS" button in the lower-left corner and entering a value between 0 and 359. The station identifier, radio frequency, and radial from the navaid will be displayed in the upper-right corner. The CDI needle on the nav indicator should match any radio-based indicators in the cockpit since the navaid's slaved magnetic variation is taken into account. If a flight plan to a runway is active then the glide slope (GS) indicator will also be active.



This instrument displays the nearest airports and the bearing and distance to each as well as the ATIS, AWOS or ASOS frequency if it is available (look-ahead ATIS).

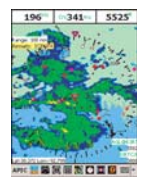
Tap any airport displayed on this screen and detailed information will be displayed for that airport. Tap the "Direct-To" button at the bottom of the airport information page and a flight plan will be created to take you from your current location directly to that airport.



The satellite display shows which satellites are in view and which are actively being used in the position computation. The satellite display is the first page to be displayed. The display will change to the PFD as soon as enough satellites are active to provide reliable navigation.

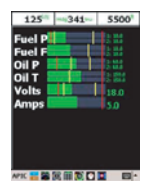


Weather is now integrated into the APIC software without additional software purchase. The weather is displayed over the moving map in real time. Metar, TAFs, TFR's, radar, winds aloft, icing, Mountain Obscuration and much much more is shown with just a selection of the settings page. Similar to the moving map detail the weather settings can be populated and depopulated according to the desired detail. *XM Weather Receiver is required to obtain real time weather information. Contact Approach Systems for more information on the hardware.*



Fuel Pressure, Fuel Flow, Oil Pressure, Oil Temperature, Volts and Amps can all be displayed on this instrument. The min and max values can be set on the APIC->Settings->Limits page. All values are normalized and laid out as horizontal bars so that they can be scanned very quickly and efficiently for abnormal conditions. Any value within normal operating conditions will be displayed in green. Any value out of the min and max green limits will be displayed in amber. Any value out of the min and max limits will be displayed in red.

Optional Epod purchase is required for engine data display



Desktop System Requirements:

Windows 95,98, 2000, ME, XP, NT 4.0 or later, 233 MHz processor or faster, CD-ROM or a high speed internet connection, 64 MB RAM, 32 MB of available hard disk space, and Microsoft ActiveSync 3.1 or later.

Pocket PC Requirements:

Running Windows Pocket PC 2002 or later, CF card slot or Bluetooth capabilities., StrongArm or XScale processor (300 MHz or faster), 12 to 25 MB Program RAM, SD memory card recommended for Pocket PCs with 64 MB device memory or less, CF Card GPS or Bluetooth GPS capable of sending NMEA 0183 or later data.

