

# Bristell-Garmin Avionics



# Bristell-Garmin Avionics for all models



**This Technically Advance Ultimate Panel is equipped for IFR flight in IMC**

- The dual Garmin GSU25 ADAHRS provide redundant, reliable attitude information
- The Garmin GMU22 Magnetometer eliminates the need for an old fashion compass
  - All Bristells have heated Pitot tubes with AOA, Angle of Attack data displayed on the G3X



# Bristell GARMIN AVIONICS



**This is our most popular panel as the right G3X Touch screen is easily readable from the pilot seat.**

WORTHINESS DEVELOPED AND MAINTAINED BY THE AVIATION COMMUNITY UNDER ASTM TECHNICAL COMMITTEE F37.



**The white diamond appears when traffic is within one mile. The traffic display is amazing and makes seeing traffic easy.**



**The yellow circle appears when traffic is within one half mile. The Garmin G3X Touch says "TRAFFIC, TRAFFIC" when the yellow circle appears.**

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This panel has the FAA certified Garmin GNX375 receiver for GPS, LPV vertical guidance approaches for IFR flight in IMC with ADS-B in and out

- The weather appears in color to help the pilot avoid dangerous weather
- Touching the inset box on the lower left will display weather on half the screen



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## The Garmin G5 Control Module

The Garmin G5 control module allows the pilot to control the barometer setting with a twist of a knob. The G5 has a built in back up battery and is a great choice for a back up Primary Flight Display (PFD). The G5 displays heading, altitude, airspeed, ground speed, attitude, and barometer reading.

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The pink DATA fields display important info

- The Autopilot Control box on the right appears when the pilot touches the dark blue horizontal bar at the top of the G3X display
- The box labeled AP, with the blue box around it, turns on the Auto Pilot with a touch
- Touching FD will display the Flight Director
- ESP is Electronic Stability Protection. The Green line shows it is enabled. ESP helps keep the plane within a safe flight envelope.
- The LVL button will hold altitude and heading once it is touched.

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- The box labeled HDG will activate a heading with a touch
- IAS will set a climb at an indicated airspeed.
- ALT will set the desired altitude you want
- VS will set a rate of climb to the desired altitude
- If the plane is not equipped with vertical navigation, the VNAV button will not lite up.

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The Com is displayed in the upper left-hand corner. Touching the blue STBY box will place the STBY frequency in the Com 1 Box.

Touching Audio will bring up a box that will allow the pilot to adjust the audio volume.

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**Touching XPDR will bring up a box that will allow the pilot to set squawk codes or ident**

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## The Garmin GMC 507 Control Module

The Garmin GMC control module allows the pilot to control GPS Navigation (NAV), fly a specific heading (HDG), control approaches (APR), display the Flight Director (FD), and control climb by either vertical speed (VS) with a roll wheel to set the rate of climb or climb by indicated airspeed (IAS). Heading and Altitude are easily controlled with their own dedicated knobs HDG and ALT SEL.

The Blue (LVL) button sets heading and current altitude hold with the push of one blue button.