

GARMIN®

AXIS™ FLIGHT DISPLAYS

Build-A-System Guide

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Certified Aircraft



AXIS™ FLIGHT DISPLAYS THE CENTER OF YOUR PANEL.



SMARTER, FASTER, MORE INTEGRATED

Put state-of-the-art capabilities in your panel with our AXIS integrated flight display system. Available in 11.6" portrait, 8" landscape and 8" portrait formats (8" models coming soon), AXIS can add advanced PFD, MFD and EIS capabilities to your panel. In an industry first, select AXIS flight displays include a built-in IFR GPS, COMM or NAV/COMM radio, and 4-place audio panel capability, creating an integrated solution that reduces weight and simplifies installation.

Part Number	Display	Format	Certification	Internal GPS	COMM	NAV	Audio Panel
010-04143-00	GDU 80P	8" Portrait	Certified (TSO)	VFR			
010-04145-00	GDU 80L	8" Landscape	Certified (TSO)	VFR			
010-03000-00	GDU 116B	11.6"	Certified (TSO)	VFR			
010-03001-00	GDU 116C	11.6"	Certified (TSO)	IFR	✓		✓
010-03002-00	GDU 116NC	11.6"	Certified (TSO)	IFR	✓	✓	✓

POWERFUL DISPLAYS. SIMPLE UPGRADE.

AXIS fits a wide variety of panel types. Each display is a full inch larger than the G3X Touch™ system yet shares the same panel cutout and mounting points. AXIS is also compatible with most existing sensors and components from G3X Touch, as well as a broad array of instruments, radios, GPS navigators and more. Supplemental type certificate (STC) approval will be available for hundreds of models of certified Part 23 Class I/II piston singles and twins.

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MODERN, RELIABLE, ALL-DIGITAL PFD

- Improve your situational awareness with enhanced synthetic vision technology and MFD-like moving map on your HSI
- 3D SafeTaxi® provides pilots with a 3-dimensional, exocentric view of the airport environment
- Add widgets to display compact views of your flight plan, traffic, weather and more
- Interact with quick access controls and customizable data fields

VIEW CRITICAL INFORMATION MORE CLEARLY

- When appropriately equipped, view traffic, weather, terrain, obstacles, terminal charts, sectionals and more
- Use an intuitive radial menu to easily access waypoint information and make flight-plan updates
- Flight plan across displays and easily load waypoints or VORs, holds, GPS and ILS procedures and more when appropriately equipped
- HDMI video input on each display allows for camera monitoring



ADVANCED PRIMARY ENGINE MONITORING

- With an interface adapter and sensors, AXIS can serve as the primary EIS display in piston-powered aircraft equipped with most normally aspirated or turbocharged 4- to 6-cylinder engines
- View easy-to-read gauges, a fuel computer, exceedance alerts/advisories, lean-assist modes and more
- Upon landing, flight and engine data logs can be automatically uploaded to flyGarmin.com® via the Garmin Pilot™ app or the GDL® 60 datalink and PlaneSync™ service
- Via flyGarmin.com, pilots can optionally choose to share these logs with analysis services such as FlySto or SavvyAviation to gain deeper insights on engine health, maintenance updates, flight analysis and more



AXIS™ FLIGHT DISPLAYS

Build-A-System Guide – Certified Aircraft

Use this guide to build your perfect panel. Select the components you'll add, including displays, installation kits, sensors, interfaces and more. Consult an authorized Garmin dealer to confirm what is needed for your aircraft.

Step 1: Select Displays

AXIS flight displays are available in several display formats, with different capabilities built in. External GPS/NAV/COMM sources can also be interfaced to provide this functionality. A combination of up to 4 AXIS displays of the 2 sizes can be installed in a single system.

Part Number	Description	MSRP	Selection (QTY)
010-04143-00	AXIS 8" Portrait Display - GDU 80P	\$6,600.00	
010-04145-00	AXIS 8" Landscape Display - GDU 80L	\$6,600.00	
010-03000-00	AXIS 11.6" Display - GDU 116B	\$9,600.00	
010-03001-00	AXIS 11.6" Display w/IFR GPS/COMM & Audio - GDU 116C (TSO)	\$18,400.00	
010-03002-00	AXIS 11.6" Display w/IFR GPS/NAV/COMM & Audio - GDU 116NC (TSO)	\$23,400.00	

Step 1A: Select Display Install Kits

Each AXIS display requires an install kit, which includes the connectors needed to complete the wiring of the display. Different install kits are required depending on the display model, so reference your display selections to choose the appropriate kit(s). If you are upgrading from G3X Touch™, select the "G3X Upgrade" kit(s). The printed material kit includes helpful accessories to get you started with your system, including access to an eLearning course. Select one of each for a new AXIS system installation.

Part Number	Description	MSRP	Selection (QTY)
010-14469-00	Install Kit, GDU 80P/80L, New Install	\$200.00	
010-14469-10	Install Kit, GDU 80/116B, G3X Upgrade	\$100.00	
010-14469-01	Install Kit, GDU 116B, New Install	\$200.00	
010-14469-02	Install Kit, GDU 116C/116NC, New Install	\$400.00	
010-14469-12	Install Kit, GDU 116C/116NC, G3X Upgrade	\$200.00	
010-02639-00	GA 35S GPS/WAAS Antenna (Required for IFR GPS displays)	\$400.00	
K00-01479-00	Kit, Printed Material, GDU 80(x)/116(x) Series (1 per aircraft)	\$200.00	

Note: Typically, no additional Garmin parts are required to upgrade from G3X Touch. Work with an authorized Garmin dealer to confirm what is needed for your aircraft.

AXIS™ FLIGHT DISPLAYS

Build-A-System Guide – Certified Aircraft

Step 2: Select System Sensors

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To provide critical flight data, AXIS flight displays utilize a kit of sensors, including ADAHRS, magnetometer and temperature probe. There are 2 options for these sensor kits, and each kit has an associated installation kit. A maximum of 2 ADAHRS can be installed with AXIS, composed of 1 each of the 2 kits below.

Part Number	Description	MSRP	Selection (QTY)
010-04557-00	LRU Kit, AXIS Certified (GSU 25D ADAHRS, GMU 11 magnetometer, GTP 59)	\$4,000.00	
K11-00066-00	Install Kit, AXIS Certified	\$200.00	
AND/OR			
010-02003-05	LRU Kit (GMU44B, GSU 75, GTP 59)	\$10,500.00	
K11-00019-50	Install Kit, GMU44B, GSU 75	\$650.00	

Step 3: Select Standby Flight Instrument

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AXIS installations in certified aircraft require a standby flight instrument for additional redundancy. Select from either G5 or GI 275. Choose the GI 275 "+AP" model if you are planning to use a compatible autopilot not from Garmin with your AXIS system.

Part Number	Description	MSRP	Selection (QTY)
K10-00280-01	G5 for Certificated Aircraft	\$3,095.00	
010-02326-10	Kit, GI 275 ADAHRS, Class I/II	\$4,695.00	
010-02326-20	Kit, GI 275 ADAHRS +AP, Class I/II	\$5,795.00	

AXIS™ FLIGHT DISPLAYS

Build-A-System Guide – Certified Aircraft

Step 4: Select Engine/Airframe Interface

AXIS displays connect to engine sensors via a GEA™ engine and airframe interface. Typically, one GEA module is required per engine. Select GEA™ 110 for firewall forward or engine compartment mounted installations. GEA 110 requires an AXIS COMM or NAV/COMM display.

Part Number	Description	MSRP	Selection (QTY)
010-02770-11	GEA™ 24B, Unit Only, PMA	\$2,300.00	
011-02886-01	GEA™ 24 Connector Kit, PMA	\$255.00	
010-01329-01	GEA 110, Unit Only	\$3,710.00	
011-03527-50	GEA 110 Connector Kit	\$320.00	
011-03527-51	GEA 110 Connector Kit, Sealed (Select if GEA 110 is remotely mounted)	\$565.00	
011-03941-00	GEA 110 Install Tray	\$190.00	

Step 4A: Select Engine Sensors

Garmin offers engine sensor kits that typically include required sensors for 4- or 6-cylinder Lycoming or Continental engines. Additional sensors may be required, or sensors can be purchased individually if the kits are not applicable to the engine type. Your Garmin dealer will assist you in selecting the appropriate sensors for your aircraft.

Part Number	Description	MSRP	Selection (QTY)
K00-01010-11	Sensor Kit, 4-cylinder Lyc/Cont (Includes CHT, EGT, oil temp, oil pressure)	\$1,230.00	
K00-01011-11	Sensor Kit, 6-cylinder Lyc/Cont (Includes CHT, EGT, oil temp, oil pressure)	\$1,615.00	

Step 5: Select Autopilot

Add a Garmin autopilot to your AXIS installation for integrated flight control capabilities. AXIS integrates with GFC™ 500 and will support GFC™ 600 integration in a future update. Visit Garmin.com/GFC to confirm compatible aircraft and more. Then speak with your Garmin dealer to understand what components and options are available for your aircraft.

AXIS™ FLIGHT DISPLAYS

Build-A-System Guide – Certified Aircraft

Step 6: Select IFR GPS, Radios and Audio Panel

AXIS can connect with many Garmin IFR GPS navigators, COMM radios and NAV radios. If you haven't selected an AXIS display with an integrated IFR GPS and radio, consider selecting one of the options below. Flight planning, radio control and more can be done from an AXIS display with the compatible products below.

Part Number	Description	MSRP	Selection (QTY)
010-02002-05	GTN™ 750Xi - IFR GPS/NAV/COMM/MFD	\$20,040.00	
010-01999-05	GTN™ 650Xi - IFR GPS/NAV/COMM/MFD	\$14,040.00	
010-02232-51	GNC® 355 - IFR GPS and COMM Radio	\$8,495.00	
010-01823-50	GNX™ 375 - IFR GPS and ADS-B In/Out Transponder	\$9,395.00	
010-01822-50	GPS 175 - IFR GPS Navigator	\$6,250.00	
010-02481-01	GNC® 215 - NAV/COMM Radio	\$5,595.00	
010-02480-01	GTR™ 205 - COMM Radio (Optional 4-PL intercom & audio panel)	\$2,895.00	
010-02479-00	GTR™ 205R - Remote COMM Radio	\$2,265.00	
010-01319-03	GMA™ 345 - Audio Panel (Up to 6-PL intercom)	\$2,495.00	
010-01471-11	GMA™ 245R, PMA - Remote Audio Panel (Up to 6-PL intercom)	\$2,550.00	

Step 7: Select Transponder & Datalinks

Garmin offers the GTX™ 335 transponder for ADS-B Out capability. GTX™ 345 adds ADS-B In capability for traffic and weather display (WX - U.S. Only). Remote-mount and built-in WAAS GPS variants are available if you don't have a compatible IFR GPS. This provides the WAAS GPS position source required for ADS-B Out. GDL® series datalinks can also provide ADS-B In and/or SiriusXM® display capability (SiriusXM coming soon).

Part Number	Description	MSRP	Selection (QTY)
010-01214-01	GTX 335 - ADS-B Out Transponder	\$3,895.00	
010-01215-01	GTX™ 335R - ADS-B Out Transponder, Remote-mount	\$3,895.00	
010-01216-06	GTX 345 - ADS-B In/Out Transponder	\$6,595.00	
010-01217-06	GTX™ 345R - ADS-B In/Out Transponder, Remote-mount	\$6,595.00	
010-01561-15	GDL® 50R Datalink, PMA - ADS-B Receiver, Remote-mount	\$1,150.00	
010-01561-55	GDL® 51R Datalink, PMA - SiriusXM Receiver, Remote-mount	\$1,000.00	
010-01561-35	GDL® 52R Datalink, PMA - SiriusXM & ADS-B Receiver, Remote-mount	\$1,575.00	
011-04170-00	GDL® Remote Mount Connector Kit, PMA (Required to connect GDL)	\$85.00	
010-12498-50	GA 24 TNC - SiriusXM Antenna (Required for SiriusXM on GDL)	\$95.00	

AXIS™ FLIGHT DISPLAYS

Build-A-System Guide – Certified Aircraft

Step 8: Additional Options

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The options listed below can enhance your AXIS system even further. Visit Garmin.com for additional information about these products.

Feature Enablements

Part Number	Description	MSRP	Selection (QTY)
006-B5211-00	AXIS ChartView™ Enablement	\$2,200.00	
006-B5211-01	AXIS SurfaceWatch™ Enablement	\$2,000.00	
006-B5211-02	AXIS TAWS-B Enablement	\$8,500.00	

Additional Accessories

Part Number	Description	MSRP	Selection (QTY)
010-02895-00	GHA™ 15, PMA - Height Advisor	\$2,145.00	
011-05278-00	GHA 15 Connector Kit	\$525.00	
011-06097-00	GHA 15 Install Kit	\$25.00	
011-06677-00	GHA 15 Levelling Install Kit	\$325.00	
010-02975-01	GCO™ 14 - Carbon Monoxide Detector	\$549.00	
010-01172-21	GAD™ 29D, PMA - ARINC 429 Interface Adapter	\$875.00	
011-03271-00	GAD 29 Connector Kit (Required to connect AXIS display)	\$100.00	
010-01525-11	GAD™ 27, PMA - Electrical Interface Adapter	\$825.00	
011-03877-01	GAD 27 Connector Kit (Required to connect AXIS display)	\$160.00	
010-01074-71	GAP 26, PMA - Self-Regulating	\$1,400.00	
Various	GSB™ 15 - See Garmin.com/GSB15 for Models, Charging Speeds & More	Varies	

Note: GAD™ 29 may be required if you're using an older GPS navigator with AXIS base displays or if you want navigation info on a G5.

AXIS™ FLIGHT DISPLAYS

Build-A-System Guide – Certified Aircraft

Notes

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AXIS™ FLIGHT DISPLAYS

Build-A-System Guide – Certified Aircraft

Notes

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AXIS™ FLIGHT DISPLAYS

Build-A-System Guide – Certified Aircraft

Notes

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