



The GARMIN GAD 42 Interface Adapter offers additional interface capabilities for GARMIN panel mount LNAV GPS receivers to provide even more information to the cockpit. More specifically, the GAD 42 offers the following interface possibilities:

- ARINC 407 format 3-wire XYZ synchro Heading input
- ARINC 407 format 3-wire XYZ synchro or 4-wire Sin/Cos Selected Course Drive
- ARINC 407 format 3-wire XYZ synchro or 4-wire Sin/Cos Remote Selected Course Input
- ARINC 407 format 3-wire XYZ synchro or 4-wire Sin/Cos GPS RMI/OBI output
- ARINC 407 format 3-wire XYZ synchro or 4-wire Sin/Cos NAV RMI/OBI output (when interfaced with GNS 430/530)
- ARINC 561 format analog roll steering output for use with flight control systems
- ARINC 561/568 distance display on compatible indicators

- ARINC 561 6-wire interface for Rockwell Collins EHSI 74 & EFIS 85/86 King serial distance display on compatible indicators
- ARINC 545/KIFIS XYZ synchro or ARINC 565 AC/DC TAS input
- RS-422 serial data input from Rockwell Collins digital course selector
- RS-422 serial data NAV/ILS output for Rockwell Collins EFIS 85/86 (when interfaced with GNS 430 or GNS 530)
- ARINC 429 Low speed/High speed conversion
- ARINC 429 Binary/BCD distance conversion

Although the GAD 42 has been designed to enhance the interface capabilities of the GARMIN GPS 155/165, GNC 250/300 and GNC 400/500 family of GARMIN LNAV GPS receivers, the unit can be installed with any GPS receiver capable of transmitting and receiving the required ARINC 429 serial data labels. The result is a hard-working adapter that significantly expands the utility of your present panel-mount GPS.

©2000 GARMIN Corporation



GARMIN International
1200 East 151st Street
Olathe, Kansas 66062, U.S.A.
913/397.8200 fax 913/397.8282

GARMIN (Europe) Ltd.
Unit 5, The Quadrangle,
Abbey Park Industrial Estate,
Romsey, SO51 9AQ, U.K.
44/1794.519944 fax 44/1794.519222

GARMIN (Asia) Corporation
No. 68, Jangshu 2nd Rd.
Shijr, Taipei County, Taiwan
886/2.2642.9199 fax 886/2.2642.9099

www.garmin.com

Specifications are preliminary and subject to change without notice.

GAD 42 interface adapter specifications

Dimensions: 9"L x 5.4"W x 2.1"H
Mounting: horizontal or vertical
Weight: 2.2 lbs. installed
Environmental:
 Temperature: -55°C to +70°C (Operating)
 -55°C to +85°C (Storage)
 Humidity: 95% non-condensing
 Altitude range: -15,000 ft to +50,000 ft

Power requirements: 11-33v DC. Not to exceed 18 watts without super flag outputs active, or 85 watts with all four super flag outputs sourcing maximum current at maximum aircraft voltage.
 26v AC, 400 Hz Reference < 0.1va
Certification: FAA TSO-C40c
 FAA TSO-C129a – A1
 RTCA/DO-160D
 RTCA/DO-178B level C