Apollo GX Series
System Configuration Index

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Revision Log

Rev	Date	Description	EN	By
-00 --	6/17/97	Initial release.	5687	RAS
-01 --	12/15/97	Added GX50 and GX60, and -201 GX55.	5778	RAS
-02 --	06/23/98	Added GX65	5809	RDG
-02 A	02/12/99	Added –601 GX60 and –801 GX65	5872	RDG
-03 --	05/14/99	Added –202 GX55, –401 GX50, –602 GX60 and –802 GX65; added AFMS references	5990	RDG
-04 --	07/10/01	Updated –203 GX55, –402 GX50, -604 GX60, -804 GX65	6885	CES
-05 --	04/02/02	Updated –204 GX55, -403 GX50, - 605 GX60, -805 GX65	7270	CES

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1. INTRODUCTION

1.1 PURPOSE

The purpose of this document is to list the valid configuration data for the UPS AT Apollo GX55 GPS, GX50 GPS, GX60 GPS/Comm and GX65 GPS/Comm.

1.2 SCOPE

This document is used to detail the valid configurations available for the Apollo GX55, GX50, GX60 and GX65 and accessories, as well as the proper user and installation guide revisions.

2. INSTALLATION DATA

Installation instructions for the Apollo GX55, GX50, GX60, and GX65 are included in the installation manuals. The installation manuals are listed in Table 1 and Table 5.

The minimum system configurations for both IFR and VFR installations are listed in the installation manuals.

3. CONFIGURATION DATA

The valid GX55, GX50, GX60, and GX65 unit configurations for installations are listed in Table 1. The unit must be labeled with the mod letter(s), if any, as listed in the "Required Mods" column. (Note: The unit may also be marked with additional mods that are not required for valid configurations.)

The valid antennas for use for IFR installations are listed in Table 5.

Special Note: *Apollo GX50/55/60/650 GPS Navigation units with software version 3.0 through 3.4 inclusive could provide erroneous cross-track deviation information. It is recommend that an authorized dealer or the UPS AT factory upgrade the unit software version to 3.5 or later approved version. See GX Series - Service Bulletin 100, document number 561-4002-100, for more information.*

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Table 1: Apollo GX55 Configurations

Model #	Part #	Description	Required Mods	Comment
GX55	430-6050-200	Apollo GX55 GPS	None	Nav SW V1.0 GPS Sensor SW V2.1.
	560-0962-00	Apollo GX55 GPS User's Manual		Initial Release
	560-0960-00	Apollo GX55 GPS Installation Manual		Initial Release
	560-1009-00	Apollo GX55 GPS AFM Supplement		The initial STC was completed for Partenavia P68 Series
	430-6050-201	Apollo GX55 GPS	None	Nav SW V2.1 GPS Sensor SW V2.3 Equivalent to -200 Mod A.
	560-0961-00 560-0961-01	Apollo GX GPS User's Manual		Adds GX65 references
	560-0960-01	Apollo GX55 GPS Installation Manual		N/C
	560-1009-00	Apollo GX55 GPS AFM Supplement		N/C
	430-6050-202	Apollo GX55 GPS	None	Upgrade to Nav SW V3.0 Equivalent to -201 Mod E.
	560-0961-02	Apollo GX GPS User's Manual		Adds Search and Rescue, etc.
	560-0960-02	Apollo GX55 GPS Installation Manual		N/C
	560-1009-01	Apollo GX55 GPS AFM Supplement		Partenavia P68 Series Includes SW ver 3.0.
	430-6050-203	Apollo GX55 GPS	None	Minor software upgrade V3.3
	560-0961-03	Apollo GX GPS User's Manual		Updates for LOC-DME, Roll Steering, and SL30 Integration
	560-0960-03	Apollo GX55 GPS Installation Manual		Improved integration drawings and checkout procedures
	560-1009-01	Apollo GX55 GPS AFM Supplement		Partenavia P68 Series Includes SW ver 3.0. & minor revs
	430-6050-204	Apollo GX55 GPS	None	Minor software upgrade V3.5
	560-0961-03	Apollo GX GPS User's Manual		Enhanced manual, added operation of FSS and Center Frequencies
	560-0960-03	Apollo GX55 GPS Installation Manual		N/C
	560-1009-01	Apollo GX55 GPS AFM Supplement		N/C

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Table 2: Apollo GX50 Configurations

Model #	Part #	Description	Required Mods	Comment
GX50	430-6050-400	Apollo GX50 GPS	None	Nav SW V2.1 GPS Sensor SW V2.3
	560-0961-00 560-0961-01	Apollo GX GPS User's Manual		Initial Release Adds GX65 references
	560-0928-00	Apollo GX Approach User Manual Supplement		Initial Release
	560-0959-01	Apollo GX50/60 Installation Manual		Initial Release
	560-0959-02	Apollo GX50/60/65 Installation Manual		Adds GX65 references
	560-1015-00	Apollo GX50 and GX60 AFM Supplement		Partenavia P68 Series Nav SW V2.1
	560-1015-01	Apollo GX50/60/65 AFM Supplement		Added GX65 (Nav SW V2.2). Reworded Altitude Assist limitation.
	430-6050-401	Apollo GX50 GPS	None	Upgrade to Nav SW V3.0
	560-0961-02	Apollo GX GPS User's Manual		Adds Search and Rescue, etc.
	560-0928-01	Apollo GX Approach User Manual Supplement		N/C
	560-0959-03	Apollo GX50/60/65 Installation Manual		Enhanced, added better checkout procedures
	560-1015-02	Apollo GX50/60/65 AFM Supplement		Partenavia P68 Series Modified for Nav SW V3.0.
	430-6050-402	Apollo GX50 GPS	None	Minor software upgrade V3.3
	560-0961-03	Apollo GX GPS User's Manual		Updates for LOC-DME, Roll Steering, and SL30 Integration
	560-0928-02	Apollo GX Approach User Manual Supplement		Use of DME type operations on approaches
	560-0959-03	Apollo GX50/60/65 Installation Manual		Improved integration drawings and checkout procedures
	560-1015-02	Apollo GX50/60/65 AFM Supplement		Partenavia P68 Series Includes SW ver 3.0. & minor revs
	430-6050-403	Apollo GX50 GPS	None	Minor software upgrade V3.5
	560-0961-03	Apollo GX GPS User's Manual		Enhanced manual, added operation of FSS and Center Frequencies
	560-0928-02	Apollo GX Approach User Manual Supplement		N/C
	560-0959-04	Apollo GX50/60/65 Installation Manual		Change not applicable to GX50
	560-1015-02	Apollo GX50/60/65 AFM Supplement		N/C

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Table 3: Apollo GX60 Configurations

Model #	Part #	Description	Required Mods	Comment
GX60	430-6050-600	Apollo GX60 GPS/Com	None	Nav SW V2.1 GPS Sensor SW V2.3 VHF Comm SW V1.2
	560-0961-00 560-0961-01	Apollo GX GPS User's Manual		Initial Release Adds GX65 references
	560-0928-00	Apollo GX Approach User Manual Supplement		Initial Release
	560-0963-00 560-0963-01	Apollo GX60 Com User Manual Supplement		Initial Release Adds GX65 references
	560-0959-01	Apollo GX50/60 Installation Manual		Initial Release
	560-0959-02	Apollo GX50/60/65 Installation Manual		Adds GX65 references
	560-1015-00	Apollo GX50 / GX60 AFM Supplement		Partenavia P68 Series Nav SW V2.1 Comm SW V1.2
	560-1015-01	Apollo GX50/60/65 AFM Supplement		Partenavia P68 Series Added GX65 Reworded Altitude Assist limitation.
	430-6050-601	Apollo GX60 GPS/Com	None	Upgrade to 415-7002-01F Comm Bd. Upgrade to VHF Comm SW V2.0
	560-0961-01	Apollo GX GPS User's Manual		N/C
	560-0928-00	Apollo GX Approach User Manual Supplement		N/C
	560-0963-01	Apollo GX60/65 Com User Manual Supplement		N/C
	560-0959-02	Apollo GX50/60/65 Installation Manual		Adds GX65 references
	560-1015-00	Apollo GX50 / GX60 AFM Supplement		Partenavia P68 Series Nav SW V2.1 Comm SW V1.2
	560-1015-01	Apollo GX50/60/65 AFM Supplement		Partenavia P68 Series Nav SW V2.2 Reworded Altitude Assist limitation.
	430-6050-602	Apollo GX60 GPS/Com	None	Upgrade to Nav SW V3.0
	560-0961-02	Apollo GX GPS User's Manual		Adds Search and Rescue, etc.
	560-0928-01	Apollo GX Approach User Manual Supplement		
	560-0963-02	Apollo GX60/65 Com User Manual Supplement		
	560-0959-03	Apollo GX50/60/65 Installation Manual		
	560-1015-02	Apollo GX50/60/65 AFM Supplement		Partenavia P68 Series Nav SW V3.0 Comm SW V2.0.

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430-6050-603	Apollo GX60 GPS/Com	None	Com audio board update
560-0961-02	Apollo GX GPS User's Manual		N/C
560-0928-01	Apollo GX Approach User Manual Supplement		N/C
560-0963-02	Apollo GX60/65 Com User Manual Supplement		N/C
560-0959-03	Apollo GX50/60/65 Installation Manual		N/C
560-1015-02	Apollo GX50/60/65 AFM Supplement		N/C
430-6050-604	Apollo GX60 GPS/Com	None	Minor software upgrade V3.3
560-0961-03	Apollo GX GPS User's Manual		Updates for LOC-DME, Roll Steering, and SL30 Integration
560-0928-02	Apollo GX Approach User Manual Supplement		Use of DME type operations on approaches
560-0963-03	Apollo GX60/65 Com User Manual Supplement		Layout changes only
560-0959-03	Apollo GX50/60/65 Installation Manual		Improved integration drawings and checkout procedures
560-1015-02	Apollo GX50/60/65 AFM Supplement		N/C
430-6050-605	Apollo GX60 GPS/Com	None	Minor software upgrade V3.5
560-0961-03	Apollo GX GPS User's Manual		Enhanced manual, added operation of FSS and Center Frequencies
560-0928-02	Apollo GX Approach User Manual Supplement		N/C
560-0963-03	Apollo GX60/65 Com User Manual Supplement		N/C
560-0959-04	Apollo GX50/60/65 Installation Manual		Added specifications in support of helicopter vibration
560-1015-02	Apollo GX50/60/65 AFM Supplement		N/C

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Table 4: Apollo GX65 Configurations

Model #	Part #	Description	Required Mods	Comment
GX65	430-6050-800	Apollo GX65 GPS/Com	None	Nav SW V2.2 GPS Sensor SW V2.3 VHF Comm SW V1.2
	560-0961-01	Apollo GX GPS User's Manual		Adds GX65 references
	560-0963-01	Apollo GX60/65 Com User Manual Supplement		Adds GX65 references
	560-0959-02	Apollo GX50/60/65 Installation Manual		Adds GX65 references
	560-1015-01	Apollo GX50/60/65 AFM Supplement		Partenavia P68 Series Nav SW V2.2 Reworded Altitude Assist limitation.
	430-6050-801	Apollo GX65 GPS/Com	None	Upgrade to 415-7002-01F Comm Bd. Upgrade to VHF Comm SW V2.0
	560-0961-01	Apollo GX GPS User's Manual		N/C
	560-0963-01	Apollo GX60/65 Com User Manual Supplement		N/C
	560-0959-02	Apollo GX50/60/65 Installation Manual		N/C
	560-1015-01	Apollo GX50/60/65 AFM Supplement		N/C
	430-6050-802	Apollo GX65 GPS/Com	None	Upgrade to SW ver 3.0.
	560-0961-02	Apollo GX GPS User's Manual		Adds Search and Rescue, etc.
	560-0963-02	Apollo GX60/65 Com User Manual Supplement		N/C
	560-0959-03	Apollo GX50/60/65 Installation Manual		N/C
	560-1015-02	Apollo GX50/60/65 AFM Supplement		Partenavia P68 Series Modified for Nav SW V3.0.
	430-6050-803	Apollo GX65 GPS/Com	None	Com audio board update
	560-0961-02	Apollo GX GPS User's Manual		N/C
	560-0963-02	Apollo GX60/65 Com User Manual Supplement		N/C
	560-0959-03	Apollo GX50/60/65 Installation Manual		N/C
	560-1015-02	Apollo GX50/60/65 AFM Supplement		N/C

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	430-6050-804	Apollo GX65 GPS/Com	None	Minor software upgrade V3.3.
	560-0961-03	Apollo GX GPS User's Manual		Updates for LOC-DME, Roll Steering, and SL30 Integration
	560-0963-03	Apollo GX60/65 Comm User Manual Supplement		Layout changes only
	560-0959-03	Apollo GX50/60/65 Installation Manual		Improved integration drawings and checkout procedures
	560-1015-02	Apollo GX50/60/65 AFM Supplement		N/C
	430-6050-805	Apollo GX65 GPS/Com	None	Minor software upgrade V3.5.
	560-0961-03	Apollo GX GPS User's Manual		Enhanced manual, added operation of FSS and Center Frequencies
	560-0963-03	Apollo GX60/65 Comm User Manual Supplement		N/C
	560-0959-04	Apollo GX50/60/65 Installation Manual		Added specifications in support of helicopter vibration
	560-1015-02	Apollo GX50/60/65 AFM Supplement		N/C

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Table 5: Antennas for use with Apollo GX Series Equipment

Model #	Part #	Description	Comment
GPS Antennas			
A-33	590-1104	A-33 GPS Oval ARINC style antenna (Aero Antenna P/N AT-575-9)	
	560-0949-01	A-33 Antenna Installation Manual	
A-34	590-1112	A-34 GPS antenna (Aero Antenna P/N AT-575-93)	same footprint as A-16 and A-23 loran antennas
	560-5047-00	A-34 Antenna Installation Manual	
VHF Comm Antennas - GX60/65 Only			
--	--	Standard VHF Comm Antenna	see GX50/60/65 installation manual

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