LA6 Lightweight Avionics Test Panel

The LinAire LA6 Light Com/NAV Test Panel is engineered to handle the popular lightweight panel mounted avionics systems that are on the market today and adaptable to future models. The unit is a low profile (7" high) improved version of our dependable old LA5 that has served the aviation community since 1966.

A Headphone amplifier has been added to eliminate the need for headphones when checking headphone or sidetone audio. This is a selectable function, either amplified to the panel speaker or normal phones operation selected by toggle switch. The panel has an improved microphone test circuit for checking pilot microphones. The voltage and current is monitored by 4 inch analog meters. The panel comes enclosed in it's own cabinet back and allows for standard rack mounting or stand alone use. **P/N LA6**



Harness P/N

LA2012 LA2022 LA2012

LA2025 LA2018 LA2018 LA2018 LA2021 LA2025 LA2021 LA2021 LA2025 LA2021 LA2021 LA2021 LA2021

LX9102* LX9102* LX9100* LX9102*

LX9102*

LA1026 LA1026 LA1026 LA1032 LA1026

LA1026

Manufacturer Com Units	Unit	Harness P/N	Manufacturer Com Units	Unit
Bendix	RT221A	LA7012	King	KY90
	RT241A	LA7014		KY92
	VC401B	LA2028		KY95
				KY96A
Collins	51X3	LA6002		KY97A
	619F1A	LA6003		KY195
	619F1B	LA6003		KY195B
	VHF250	LA6004		KY196
	VHF251	LA6004		KY196A
	TDR950	LX9104*		KY196
				KY196E
Cessna				KY197A
ARC 300,400,				KY197
800 Series	RT422A	LA3012		KY197E
	RT432A	LA3012		KT76
	RT522	LA3012		KT76A
	RT532A	LA3012		KT76C
	and RTA 532B			KT78
	RT359A	LX9103		KT78A
	RT459A	LX9103		KT79
	RT859A	LX9103		
			NARCO	COM11A
Cessna				COM11B
ARC 500 Series	RT302G	LA3001		COM11H
	RT302H	LA3001		COM100
				COM111A
				COM111B

COM810	LA1037
COM811	LA1037
COM120	LA1026
AT50A	LX9101
AT150	LX9101
*C mode encode	or requires I X nanel

*C mode encoder requires LX pane. & LXA9000 cable

Test Panels

Manufacturer Com Units	Unit	Harness P/N
0000		
CUM/NAV Unit	DNI222A	1 4 7 0 1 2
Benaix	RINZZZA	LA7013
		LA7013
	KIN242A	LA7015
Cessna ARC 300 Series	RT308C	LA3009
	RT328A	LA3009
	RT328C	LA3009
	RT328T	LA3009
	RT385A	LA3014
	300 / 400 Series	
	RT428	LA3013
	IN 442/A/B & IN 44	13/A/B
	RT485A	LA3014
	IN 480/A/AC & IN	481/A/AC IN 485/A/AC
	& IN486/A/AC 300	/400 Series
	RT508	LA3009
	RT513A	LA3005
	RT514A	LA3006
	RT514R	LA3007
	RT515-1	LA3007
	RT516A	L A3006
	RT517R	L 43007
	RT525Δ	LA3006
	RT528A	L V 3000
	DTE20E	LA3003
		LA3003
	n i jzja	LA3000
Cessna ARC 500 Series	RT317	LA3002
King	KX125	LA2026
	KX130	LA2012
	KX145	LA2020
	KX150	LA2013
	KX150B	LA2014
	KX155	LA2023**
	KX155A	LA2027***
	KX160	LA2015
	KX165	LA2023**
	KX165A	LA2027***
	KX170	LA2018****
	KX170A	LA2018****
	KX170B	LA2018****
	KX175	LA2018****
	KX175B	LA2018****
NARCO	COM10A	
	NAV10	LA1025
	ESCORTII	LA1041
	Call for more info	
	ESCORT110	LA1024
	MARK3	LA1006
	MARK4	LA1007
	MARK5	LA1008
	MARK8	LA1006
	MARK12	LA1011
	MARK12D	LA1039
	works with ID 824	, ID 825, ID 826
	call for more info	
	MARK16	LA1022
	MARK24	LA1012

Com Units	UIIIL	namess P/N
Novigation		
Cessna ARC 400 Series	R442A	I A3011
	IN 422 IN 443	2.0011
	R542	LA3011
	IN 522 IN 543	
	R542A	LA3011
	IN 522 IN 543	
Cessna ARC 500 Series	R319G-1	LA3004
Collins	VIR350	LA6005
	See LV6105	
	VIR351	LA6005
	See LV6105	
	NI A 1/1 1	1 4 1 0 2 7
IVANUU		LA 1027
		LA 1029 Ι Δ 1030
		LA 1030
	NΔV111	LA 1033 I Δ1027
	ΝΔV112	LA1027
	NAV114	LA1023
	NAV121	LA1036
	NAV121	LA1036
	NAV122	LA1036
	NAV824	LA1038
	NAV825	LA1038
IAV Indicator		
Collins	IND350	LA6005
	works with VIR 350	
	IN351	LA6005
	works with VIR 351	
	IN351C	LA6005
	works with VIR 351	
Bendix	550A	
	550B	BE7021
	IN223A	BE7022
	IN224A	BE7022
	IN244A	LA7015
	works with RN 242A	
	IN245A	LA/015
King	KI201	AR2005
	works with KX 160	
	KI211	100005
	KIZITA	AK2005
	WORKS WITH KX 160	
		1 4 2010
		LAZUIÖ
		1 1 2010
	K12110 K1200	LA2010
	K1202	LA2023
	K1203	LA2023
	K1204	LA2020
	K1205	LA2020
	K1200	L Δ 2023
	K1207	Δ2023
	K1209	LA2023
	**Call for more info (OR LT 3001
	****C IV of the OP	UK LI 3002
	****See LV 6118 OR	LI 3005

Test Equipment

214.320.9770

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Test Panels

Manufacturer Com Units	Unit	Harness P/N		Manufacturer Com Uunits	Unit	Ha
NARCO	V0A4	BE1016		Audio AMP/Marker		
	V0A5	BE1016		Collins	AUD250	LA
	VOA6	BE1015			AMR350	LA
	VOA8	BE1016				
	VOA9	BE1016		NARCO	MBT	LA
	VOA40	BE1017				
	V0A50	BE1017		King	KA25	LA
	V0A100	LA1033			KMA12	
	V0A110	LA1033			KMA12A	
	ID824	LA1038			KMA12B	LA
	ID825	LA1038			KMA20	LA
	or LA 1039					
	ID826	LA1038		Northern Airborne	AA34-300	
	or LA 1039				AA80-001	LA
					Also L-240 Panel	Version
AUF UNITS		1 4 7 0 1 0			AA80-020	LA
Reudix		LA/UIU			AISO L-240 Panel	version
						LA
					AISU L-24U Manei ∆∆20_060	VEISION
	ADF2070	LA7016			Also L-240 Panel	Version
Cessna ARC 300 Series	R546A					
	LA 6 or L 280 PANEL					
	R546E	LDF2209				
	IN 546A, A1 IN 346A	L346A				
King	KR80	LA2010				
	Less loop cable					
	KR85	LA2011				
	Less loop cable; uses	KI 225/01				
	KR86	LA2019				
NARCO	ADF30			0		
	ADF30A	LA1019		90		_
	Less Loop Cable			15		
	ADF31					
	ADF31A	LA1019				-Pop
	Less Loop Cable			54742		
	ADF31	A A 1020	4150	-		1 and
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Harness P/N

LA6006

LA6006

LA1013

LA2001

LA2003

LA2004

LA2029 LA2030

LA2030

LA2030

LA2030

LT6 COMM/NAV Panel

The LT6 Panel aids in the bench testing of VHF Communication and Communication/Navigation equipment. The LT6, a vast improvement over the old LT5 Panel, has added the ability to use serial control heads, navigation indicators, a speaker on the panel for speaker or phone channels, mike testing, use of the LA cable series harnesses, digital panel meter, and 56 test point jacks. It's almost like owning a LT5, LA6, headset tester and more!

The serial control heads of the unit under test can be connected by optional control head cables to the DC–37 Control Buss connection (P4) on the panel face. This added feature provides the ability to check those serial controlled 8.33MHz units.

The LT6 Panel provides for the connection of navigation indicators for use with those Comm/Nav units with navigation outputs. The cables for the Navigation indicators are the same as those used by the LV6 test panel, there by reducing the number of cables needed in a shop's inventory. Also, the LT6 panel can provide the loads and metering of the navigation outputs with or without an indicator connected. This is why the new L6 harness series replaces many of the old LA series harnesses where multiple connectors are used for indicators and do not provide for metering or test point jacks.

With the addition of a panel speaker on the LT6 Panel, the panel allows monitoring of either the speaker channel output or phones/intercom/aux audio outputs. These outputs RMS voltages are metered by the panel mounted digital meter.

Pilot Headset testing is provided on the LT6 Panel for checking mike and headphone operation. This popular feature was carried over and improved from the LA6 Panel. Provides a fast GO/NO-GO check of the pilot's headset. There are many of the old LA harness series cables out there, so a LA cable connector is included on the LT6, so customers can continue to use them. However, it is suggested that you check out the new version of the LT6 harness for the unit you are testing because many have much improved testing abilities.

A digital panel meter with meter switch allow for monitoring the following: DC Volt, Tx/Rx AMPS, IND AMPS, Speaker output, Comm phone output, Aux Audio output, Nav Flag, Nav Dev, GS Flag, GS Dev and TO-FROM Flag. Also included to aid metering are Deviation and Flag load switches providing from 0 to 5 1000-ohm loads.

- The LT6 panel has 56 test point Jacks to monitor varies signals.
- The LT6 has a cabinet back and can be rack mounted or used as stand-alone. The Panel is 7 inches high, 19 inches wide and 5.25" deep. The standard color is Precision Tan with brown knobs and brown lettering.
- The LT6 does not come with a control head. If one is needed it must be ordered separately.

The LinAire Model LT6 Test Panel is designed to provide bench test facilities for control and instrumentation simulation of Communication and Communication/Navigation units with VOR or GPS navigation outputs. The LT6 allows for the use of a Comm unit serial control head or the connection of customer supplied serial control buss simulator. The Panel can be used to test the Navigation part of the unit under test with or without a navigation indicator connected to the Panel. Each new harness for the LT6 Test Panel is delivered with documentation showing signal test points and notes to aid testing.



Comm/Nav Panel

Manufacturer Com Units	Unit	Harness P/N
- <i>"</i>		
Sendix	RIA4IA	
	MIA43A	
essna	RT131A	
	RT831A	
Collins	VHF20	LT3003
	VHF20A	LT3003
	VHF20B	LT3003
	VHF21	LT3003
	VHF21A	LT3003
	VHF21B	LT3003
	VHF21C	LT3003
	VHF21D	LT3003
	VHF22	LT3004
	VHF22A	LT3004
	VHF22B	LT3004
	VHF22C	LT3004
	VHF22D	LT3004
	VHF250	LA6004*
	VHF251	LA6004*
	618M1	LT3006
	618M1A	LT3006
	618M1B	LT3006
	618M1C	LT3006
	618M1D	LT3006
	618M2B	LT3006
	618M2D	LT3006
ing	KX155	LT3001
	KX155A	LT3002
	KX165	LT3001
	KX165A	LT3002
	KX170	LT3005
	KX170A	LT3005
	KX170B	LT3005
	KX175	LT3005
	KX175B	LT3005
	KY195	LT3005
	KY195B	LT3005
	KY196	LA2021*
	KY96A	LT3008**
	KY97A	LT3008**
	KY196A	LT3008**
	KY197A	LT3008**
	KY92	LT3009**
	KN53	LT3010**
	KN72	LT3011**
	KT76A	LT3012**
	KT78A	LT3012**
	KT79	LT3012**
	KY-196E	LA2021*
	KY-197	LA2021*
	KY-197E	LA2021*
	*Also works or	n LA–6 Panel
	**improved fro	m the LA–6 version

oom onnta	Unit	namess r/n
Garmin	GPS400	173007***
Garmin	GNC420	173007***
	GNS430	LT3007***
	GPS500	LT3007***
	GNC520	LT3007***
	GNS530	LT3007***
	***Comes with µ GI 102A GI 10	parallel altitude encoder. The 16A Indicators use LVI 2106 cable
Sperry	AVC 110	
	AVC 111	
Wilcox	807	
VIICOX	1007Δ	
	CT 107	
Wulfsburg	WT 2000	and the second second

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Linaire Engineering, Inc.

Test Equipment

LT-6 Series Cables

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Manufacturer Com Units	Unit	Harness P/N
Bendix	RA18	LT6011*
	RA21A	LT6012*
	TA20	LT6009*
	TA21A	LT6010*
	RTA41A	LT6013***
	RTA42A	LT6013***
	RTA43A	LT6013***
Cessna ARC 800 Series	R38	LT4012**
	210(RT11)	LT4010**
	RT131A	LT4015***
	RT831A	LT4016
	T25A, C	LT4013**
Cessna ARC 1000	RT1038A	LT4017
	uses C1038A con	trol head
King	KTR900	LT2025***
	KTR905	LT2026***
	KTR905E (02)	LT2025***
	KTR908	LT2027
	uses KFS 598 con	trol head
	KTR9000	LT6013***
	KTR9100	
	KTR9100A	LT6013***
Collins	618F	
	618F1C	
	618FD	LT6005***
	17 4	I T6009*
	1716	LT6009*
	1717	LT6010*
	51¥1	LIGOID
	51/11	176011*
	51/14	LT6012*
	010041	LIOUIZ
	618IVI1	
	618M2	
	618M3	LT6013***
	VHF20	
	VHF20A	
	VHF20B	LT6014***
	VHF21	
	VHF21A	
	VHF21B	LT6014***
	VHF22	
	VHF22A	
	VHF22B	LT6015***
Sparny	۸\/Ը110	TOUUS
οματιγ		170002
	AVUITI	L1000Z
Wilcox	807	LT6013***
	1007A	LT5001***
	CT107	LT5001***
Wulfsburg	WT2000	LT6013***
	WT200	LT7001***
	*uses LTC 3 conti	rol head
	**uses LTC 2 con	trol head
	***uses LTC 6 co	ntrol head

LV6 Navigation Systems Test Panel

The LinAire LV6 Navigation systems Test Panel is engineered to operate and provide aids in the testing of VOR, VOR/LOC, VOR/ILS/MKR receivers and their multiple systems components, including their indicators and control heads. All of these can be tested as part of a system and most can be tested alone. A system can be operated using it's components while providing the ability, via tip jacks, metering, etc..., to monitor or check all key functions of the unit under test. The system provides for testing several different ways, including user developed tests.

The LV6 operates and aids in the testing of VOR/LOC, GS, MKR receivers systems including their indicators and control heads. All of these can be tested as part of a system and most can be tested alone. A system can be operated using it's components while providing the ability, via tip jacks, metering, etc..., to monitor or check all key functions of the unit under test. The system provides for testing several different ways, including user developed tests. Parallel frequency control is accomplished using LinAire LVC control heads. Serial frequency and function control is accomplished using adapter plates that mount in the LVC control head location. This gives the option of using system controls or to use the system controller as well as monitor the operation of the controller using the many LV6 test jacks. Course Selectors may be connected to the panel by several different methods: rear cabinet connector, front connector or via panel tip jacks. Compass and bearing signals from an external source are connected via a rear mounted connector and are switched by the LV6 controls.

The panel has a connector for the utilization of LA series NAV and NAV/ COM harnesses allowing panel mounted NAV receivers to be serviced at the Nav Bench. (Audio and Power connections ONLY.) LinAire has a full line of new panel mounted Nav, Nav/Com harness (LV 6100 series and LVI) that take advantage of all the test and monitoring facilities of the LV6. **P/N LV6**

The following list the panel functions and controls: Metering

3 1/2 digit panel meter measures the following: DC Volts, DC AMPS, AC Volts (26 and 115), AC AMPS, Audio RMS Volts (600 ohm load), Nav Deviation, Nav Flag, GS Deviation, GS Flag and To-FROM (200 ohm load).

Navigation Section

Frequency Control: Parallel (UUT freq. controller or LVC head), Serial (Unit Under Test freq. control head or Simulator) Panel does not come with a control head, must be purchased separately. Deviation: Metering and 1 to 5 selectable 1K ohm loads. FLAG: Metering and 1 to 5 selectable 1K ohm loads. SUPER FLAG: Indicator lamp and Test Jack. COMPASS (X, Y, Z) and BEARING (X', Y', Z') Source Selections 65 Breakout Jacks for monitoring test points

Glide Slope Section

Deviation: Metering and 1 to 5 selectable 1K ohm loads Flag: Metering and 1 to 5 selectable 1K ohm loads Super Flag: Indicator Lamp and Test Jack ILS Engage switch

Marker Section

Outer, Middle, and Airway lamps with Test Jacks High/Low Sense switch

Marker Audio output to panel speaker or headphones Panel Size and Finish

The LV6 panel is 7 inches high, 19 inches wide, 5.25 inches deep. The panel finish is an epoxy based LinAire Tan with Dark Brown Lettering with knobs of Brown and Gold.



VHF Navigation Receivers

Manufacturer Com Units	Unit	Harness P/N	Manufacturer Com Units	Unit	Harness P/N
			Collina	CTI 22	11/00025
LinAire	UAP Universal			Provides for na	tching a ctl 32 to vir 32
		d par papal whap		- with test noin	ts
	using some have	n per parler wrien		RMI30	LV6126
	using some nar	1163363		332C-10	LV6126
BENDIX	ΝΙ/Δ22 Δ	I V6119		332C-10B	LV6126
BENDIX	R540	LV6133		331A-3F	LVI2119
	IVC 3			331A-3G	LVI2119
Kina	KX 155	I V6134*		RMI36	LV6127
9	KX 165	LV6134*		VIR30A	
	KX170	LV6118*		VIR30H	
	KX170A	LV6118*		VIR30M	LV6125*
	KY170B	LV6118*		VIR31	LV6125*
	KX175	LV6118*		VIR32	LV6125*
	KX175B	LV6118*		VIR350	LV6105
	KN72	LV6113		Optional UAP	
	KN53	LV6114		VIR 351	LV6105
	KN40	LV6115		Optional UAP	
	429 data buss a	analyzer needed.		51RV1	LV6130
	Supplied by use	er		51RV2	LV6130
	KN70	LV6116		51RV2B	LV6130
	KN71	LV6116		51RV3	LV6130
	KN77	LV6117		51RV4	LV6130
	KNR630	LV6123**		51RV4B	LV6130
	KNR631	LV6123**		IND30	LVI2103
	KNR632	LV6123**		IND31	LVI2103
	KNR634	LV6124		IND32	LVI2103
	UAP & KFS 564			IND350	LVI2105
	KNR660	LV6131		IND351	LVI2105
	KNR661	LV6132		*LVC 6 parallel	or LVC 8025 for
	KI201C	LVI2102B		serial with us	er supplied csdb
	KI202	LVI2102A			
	KI203	LVI2102F	Garmin	GPS400	LV6120**
	KI204	LVI2102F		GNC420	LV6120**
	Used with NAV	' REC		GNS430	LV6120**
	KI206	LVI2102A		GPS500	LV6120**
	Unit has GS INI	D		GNC520	LV6120**
	KI207	LVI2102A		GNS530	LV6120**
	KI208	LVI2102C		GITUZA	LV12106
	KI209	LVI2102C		GI106A	LVIZIUG
	KI211C	LVI2118A***		^^Comes with	parallel
	KI212	LVI2102D***		aititude enco	Juer
	KI213	LVI2102E***	\A/SLoov	100E A	
	KI214	LVI2118B***	VVIICOX	1005A	
	KI 229	LVI2102G			
	KN1500	LVI2110			
	KNI500L	LVI2110		11101040	LVADUUT
	KNI510	LVI2111			
	KNI510B	LVI2111			
	KNI520	LVI2112			
	KNI521	LVI2112			
	KNI582	LV6128			
	KPI552B	LV6129			
	KPI553B	LV6129			
	*& optional LV	Tharness			
	***Continentities	ANU KES 560			
	***Uptional UA	r or LVG 2012 control head			

LD4 DME Control Panel

LinAire LD4 DME control panel is a natural addition to the well equipped avionics lab desiring to service DME with Area Navigation Systems.

The LinAire LD-4 Navigation Control Panel is engineered to operate and aid in the testing of DME receivers. The panel has a 200 channel frequency control for parallel codes. The DME-RNAV selector and the Data Patch facilities are provided for RNAV/DME testing during RNAV operation. **P/N LD-4 DME**



Manufacturer Com Units	Unit	Harness P/N
Bendix	DMA29	LD8007
	DME2030	LD8014
Cessna ARC 400 series	RTA476A	LD8010
King	KN65	LD8003
	KN65A	LD8003
	KN61	LD8005
	KN62	LD8016
	KN62	
KN62A	LD8016	
	KN63	LD8016
	KN64	LD8016
	KDM700	LD8002
	KDM705	LD8002
	KDM706	LD8016
	KDM7000	LD8008
	KDM7000A	LD8008
	KDM7000B	LD8008
	KI261	LD8005
	KI266	LD8005
	KD1570	LD8002
	KDI571	LD8002
	KD1572	LD8016
	KD1573	LD8016
	KD1574	LD8016
	KI265E	LD8003
	KI265D	LD8003
NARCO	DME890	LD8017
	DME195	LD8004
	IDME891	LD8019

Manufacturer Com Units	Unit	Harness P/N		
Collins	860E1	LD8006		
	860E2	LD8006		
	860E4	LD8006		
	860E4A	LD8006		
	860E3	LD8008		
	860E5	LD8008		
	DME40	LD8009		
	Parallel Tuning (Only		
	DME40	LD8009A		
	Call for more inf	o		
	DME42	LD8009		
	Parallel Tuning (
	DMF42			
	Parallol and Sor	ial Tunina		
	Call for more infe			
	22001			
	220E12			
	339F1Z			
	220P			
	220C			
	3330 220E0D			
	1110431	LDOUID		
Sperry	AVQ75	LD8011		
	AVQ85	LD8012		
	PRIMUS10	LD8013		
Foster Airdata Systems	DME670	LD8020		

LR1 Area Navigation Control Panel

The LinAire LR1 Area Navigation Control Panel is extremely versatile, requiring only an external VOR signal and OBS to service RNAV systems. Simulation of DME signals can be internally generated, externally simulated, or a DME unit can be used. P/N LR1



Manufacturer Com units	Unit	Harness P/N
Cessna ARC 800 Series	RN478A	LR6004
	Must be interconnected to RTA 476. Has 10' cable for such. Includes cable for IN 44.	
King	KN74	LR6002
	KNS80	LR6003
	KNS81	LR6003

LTS525/A Test Panel for the King KNI 525 and KNI 525A HSI

Performs King's test procedure in their maintenance manual directly. Panel has a 3 1/2 digit DVM for monitoring test signals. Tip-Jack access to all the pins used by KI 525 are provided. Panel requires 115VAC 400Hz input power. All DC voltages are supplied by the panel. Test harness is included with the panel. P/N LTS525

Panel is 7"H x 19"W x 5 1/2"D.





L280 HF Navigation Receivers

The LinAire L280 Automatic Direction Finder Test Panel is engineered for the bench testing of ADF receivers, both panel mounted and remote mounted units. **P/N L280**

Manufacturer Com Units	Unit	Harness P/N
King	KDF800	LDF2201
	Less loop cable	· · · · · · · · · · · · · · · · · · ·
	KDF805	LDF2202
	Less loop cable	
	KDF806	LDF2210
	Uses KFS 586	
	KFS586	LDF2210
	KDF8000	LDF2203
	KNI580	LDF2201
	KNI580	LDF2202
	KNI585	LDF2201
	KNI585	LDF2202
	KI227	LDF2206
	KA44	LDF2206
	KA44B	LDF2206
NARCO	ADF141	LDF2205
	ADF140	LDF2205
	ADF841	LDF2208
Collins	51Y4	LDF2207
	Less loop and s	ense cables.
	51Y4A	LDF2207
	Less loop and s	ense cables.
	51Y7	LDF2203*
	51YA	LDF2203*
	51YC	LDF2203*
	DF206	LDF2203
	ADF60	LDF2204
	ADFA	LDF2204
	ADFB	ADF2204
	ADF462	LDF2211
	*Less loop and	sense cables.
	Sense connect	tor only.
Cessna ARC 300	R546A	
	R546E	LDF2209

R546E LDF2209 with IN546A, IN346A, loop & sense also works on LA6 panel.





LG6 Glide Slope Panel

The LinAire LG6 Glide Slope Test and control panel allows easy testing of all remotely channeled glide slope systems, as well as those units that are a component of other systems.

This panel is a lower profile, improved version of our venerable LG3 and LG4 that have been serving aviation community well since 1968. Channeling has been improved. The lettering is more descriptive of control function. Testing aids and a cabinet have been added.

The panel is backwards compatible for use with LG4 Test Harnesses. $\ensuremath{\textbf{P/N}}\xspace$ LG6



Image shown is LG5. LG6 Panel picture not available.

Bendix	GSA25A GSA25B GSA25C GM247A	LG7002 LG7001
	GSA25A GSA25B GSA25C GM247A	LG7002 LG7001
	GSA25B GSA25C GM247A	
	GSA250 GM247A	
	GIVIZ4/A	
		LG7003
Cessna ARC 400 Series	R443A	LG3010
	R443B	LG3010
	R543A	LG3010
	R543B	LG3010
	R843A	LG3010
Cessna ARC 800 Series	R31A	LG4011
King	KGS680	LG2021
0	KGS681	LG2023
	KGM690	LG2021
	KGM691	LG2023
	KN73	LG2022
	KN75	LG2024
NARCO	UGR1	LG1021
	UGR2	LG1022
	UGRA	LG1022
	UGR3	LG1022
Collins	51R8	LG2021
	51RA	LG2021
	51V1	LG6015
	51V2	LG6015
	51V3	LG6016
	51V4	LG6016
	51VA	LG6016
	51V4B	LG6017
	51V4D	LG2021

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LM4 Marker Beacon Control Panel

The LinAire LM4 Marker Beacon control panel provides the ultimate in ease in testing all popular remote mounted marker beacon receivers. The panel is a low profile, 7" high, version of the old LM3 panel. The LM4 has a matched speaker added to the marker audio output. The panel is backwards compatible for use with LM3 Test Harnesses. **P/N LM4**



Manufacturer	Unit	Harness P/N
Bendix	MKA7	LM4106
	MKA28C	LM4106
	MN53	LM410
	GM247A	LG7003
Cessna ARC 300 series	R502B	LM4112
	R502A	LM4112
	R402B	LM4112
	R402A	LM4112
Cessna ARC 800 Series	R33	LM4105
King	KR20	LM4103
	KR22	LM4117
	KGM690	LM4107
	KGM691	LM4114
	KMR670	LM4114
	KMR675	LM4116
NARCO	MBTR	LM4102
Collins	51Z1	LM4108
	51Z2	LM4104
	51ZA	LM4104
	51Z3	LM4106
	51Z4	LM4106
	51Z6	LM4107
	MKR350	LM4113



LW4 Weather Radar Control Test Panel

The LW4 Weather Radar control panel is designed especially for the new digital radar systems while still working with the older types. Test harness for LinAire older LW3 Radar control panel also work with this new panel. The unit has sixteen Test Jacks and six BNC connectors to allow convenient scope connection to Video, IF, Trigger, Data, Boresight or other similar signals. **P/N LW4**



Manufacturer	Unit	Harness P/N
Collins	WXR150	LW7013
	WXR200	LW7013
	WXR220	LW7013
	WXR250	LW7013
	WXR250A	LW7013
	WXR250B	LW7013
	WXR270	LW7013
	WXR300	LW7013
	WXR350	LW7020
Sperry	AVQ20	LW7001
	AVQ20A	LW7001
	AV021	LW7002
	AVQ45	LW7003
	AVQ46	LW7003
	AVQ47	LW7003
	AVQ55	LW7001
	AVQ56	LW7002
	PRIMUS20	LW7003
	PRIMUS21	LW7003
	PRIMUS30	LW7003
	PRIMUS31	LW7003
	PRIMUS30A	LW7010
	PRIMUS35	LW7010
	PRIMUS40	LW7010
	PRIMUS50	LW7010
	PRIMUS90	LW7010
	Requires LWS 7010	
		LWS7010
	PRIMUS150	LW7022
	PRIMUS200	LW7011
	PRIMUS300	LW7010
	PRIMUS300SL	LW7010
	PRIMUS400	LW7010
	PRIMUS400SL	LW7010
	PRIMUS400SR	LW7010
	PRIMUS500	LW7010
	PRIMUS450	LW7021
	PRIMUS650	LW7021
	WEATHERSCOUT1	LW7011
	WEATHERSCOUT2	LW7011
	PRIMUS800	LW7014
	PRIMUSWR800	LW7014
	PRIMUS870	LW7023
	RDR1400C	LW7019

Manufacturer	Unit	Harness P/N
Bendix	RDR1E	LW7006
	RDR1F	LW7016
	RDR2000	LW7024
	RDR1100	LW7005*
	RDR1150	LW7005*
		LWA7005
	RDR1200	LW7005
	RDR120	LW7005
	RDR130	LW7005
	RDR1300	LW7005
	RDR1400	LW7005
	RDR1400C	LW7019
	RDR140	LW7005
	RDR150	LW7005
	RDR160	LW7005*
	RDR160XD	LW7005*
	RDR230HP	LW7005*
	RDS81	LW7018
	RDS82	LW7015
	RDS84	LW7017
	RDS86	LW7017
	*Requires LWA 7	005
King	KWX40	LW7004
	KWX50	LW7009
	KWS60	LW7009
	KI241	LW7009
	KI242	LW7009
	KA59	LW7009
	KA116	LW7009
	KWX56	LW7012
	KWX58	LW7012

Test Equipment

LRA2 Radar Altimeter Test Panel

The LinAire LRA2 control and interface panel provides for the bench testing of Radar Altimeters and Indicators. RT units and indicators may be tested as a system or individually. LinAire test harnesses are supplied with cables for each indicator in those systems having different multiple indicators. The unit provides those functions and controls usual to the aircraft as well as a means to check the multiple configurations that are dependant upon differing installations. The LRA2 is a low profile cabinet enclosed unit that can be rack mounted or used as stand-alone.

P/N LRA2	
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Manufacturer	Unit	Harness P/N
King	KRA10	LRA6107
	KRA405	LRA6108
Collins	ALT50	
	ALT50A	LRA6101
	ALT55	
	ALT55B	LRA6101
	860F4	LRA6102
Sperry	AA100	LRA6103
	AA100A	LRA6104
Honeywell	AA200	LRA6105
	AA300	LRA6106



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LX4 Transponder Control Panel

The LinAire LX4 Transponder Control Panel is designed for the testing of remote mounted standard transponder systems.

The A mode encoding is accomplished with the panel's digital A mode thumb wheel control. The C mode encoding is effected by a toggle selector for each C mode pulse. Four mode controls are incorporated, one for each mode of operation. Test control is provided for A and C mode for units having this feature. The panel comes enclosed in it's own cabinet back and allows for standard rack mounting or stand alone use. The panel finish is an epoxy based LinAire Tan with dark brown lettering and knobs of brown with gold trim. **P/N LX4**

Image not available..

wanutacturer	UNIT	Harness P/N
Bendix	TPB6000	LX9010
_ 0aix	TPR600B	L X9010
	TPR610	2,0010
	TPR660	
	TDAG	1 20000
	TPRZUDIA	LX9105
	184218	LX9024
Cessna arc 300 series	RT 359A	LX9103*
Cessna arc 400 series	RT506A	LX9006
	Cable must be n	nodified
	RT 459A	LX9103*
Cosepa are 900 series		
Cessila all' OUU SelleS		
		LX9005
	RT106A	LX9006
	RT859A	LX9103*
King	KT70	LX9106
	KT71	LX9106
	KT76	LX9100*
	KT76A	LX9102*
	KT76C	LX9102*
	KT78	1 20100*
		LAJ100
	N176A	LX9102
	K1/9	LX9102*
	KT75R	LX9012
	KXP750	LX9002
	KXP750A	LX9002
	KXP755	LX9020
	KXP756	LX9021
	KFS576	LX9021
	KXP7500	LX9013
Collins	621 \ 2	
oomina	62104	
	62177	
	021A3	
	021A0	
	IDK90	LX9015
	TDR950	LX9104*
Sperry	AVQ65	LX9011
	AVQ95	LX9014
Wilcox	714B	LX9007
	714C	LX9007
	814B	
	1014B	LX9004
		*
Garmin	GTX320	LX9023
	61X32/	LX9022
NARCO		
NARCO	AT50A	LX9101*

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LXS4 Mode S Transponder Control Panel

The LXS4 S–Mode Transponder Test Interface panel facilitates the testing of S–Mode transponders, providing switching for discreet controls, C–Mode and S–Mode addressing, and other strapping options used by S–Mode units.

A 42 jack Tip–Jack area on the panel facilitates access to external lines and optional control lines for testing. The panel has connections for data buss sources (429, 575 and synchro formats) external to the panel. The S-Mode Address and C-Mode code (Gilliam Code) are supplied by the panel. A front panel connector allows the connection of computer generated buss signals and/or the S-mode units own controller. A rear terminal strip is provided for the connection of external DC and AC power.

The panel comes enclosed in it's own cabinet back and allows for standard rack mounting or stand alone use. The panel finish is an epoxy based LinAire Tan with dark brown lettering and knobs of brown with gold trim. **P/N LXS4**

Manufacturer	Unit	Harness P/N
Bendix	MST67A	LXS9201
	TRA67 S	LXS9202
Collins	TPR720	LXS9202
	TDR94	LXS9204
	TDR94D	LXS9204
	CTL92	LXS9204A*
	*Allows CTL-92 to ru LXS9204 harness	n TDR-94 with the





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L260 for Audio Control Panels



The new L260 Audio Controller Test Panel provides for standardized testing of aircraft audio controller and amplifier panels. This panel is designed with standard tests for checking all makes and models of audio panels. This replaces the old L240 panel and cuts testing time significantly. The new L260 test for the Pilot, Copilot, Comm, and NAV audio channels are basically the same for all units under test with only the number of channels available changing. Most of the intercom testing is also standard.

The panel has a 3 1/2 digit meter used to monitor the DC input voltage, DC currents draw, Speaker output RMS voltage and a RMS voltage position that monitors the signal selected by the RMS Metered switch. **P/N L260**

Wanutacturer	Unit	Harness P/N
King	KA134	LAA1109
J	KAA445	LAA1101
	KAA455	LAA1101
	KMA20	LAA1103
	KMA24	LAA1110
	KMA24H50	LAA1111
	KMA24H51	I AA1111
	KMA24H52	LAA1111
	KMA24H53	LAA1111
	KMA24H65	LAA1165
	KMA24H66	LAA1165
	KMA24H70	LAA1170
	КМД24Н71	ΙΔΔ1170
	КМА26	ΙΔΔ1120
	κΜΔ28	ΙΔΔ1124*
	*Call for more in	fo
	can for more m	
NARCO	CP125A	LAA1105
	CP125B	LAA1105
	CP126	LAA1105
	CP127	LAA1104
	CP135	LAA1106
	CP135M	LAA1106
	CP136	LAA1106
	CP136M	LAA1106
Collins	AMR350	LAA1108
	346B3	LAA1102
	346D1	LAA1107
	387C4	LAA1118
	702 20	1 0 0 1 1 1 4
AVIEGN	1250 1	
	1250-1	
	1201-1 1600SERIES	
	1500SERIES	
	10000EIIIE0	LAG1112
	1030	LAS1112
	1240	LAS1112
	1340	LAS1112
	1643 3	LAA1117
Pakar	M1025	\ \ 1115
Darei	R 1025	
	D 1030	
	IVI 1040 D 1045	
	D 1040	LAAIIIb
DB system	MODEL437	LAA1121
Northern airborne	AA24-001	LAA1123
	AA12-001	LAA1122
	AA80-001	LAA1125*
	AA80-020	LAA1125*
	AA80-060	LAA1125*
	AA80-062	LAA1125*

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LH4 Microphone, Headphone, Headset Test Panel

The LinAire LH4 is designed for versatility, durability and ease of operation. The LH4 is "at home" in the Pilot Shop or Repair Lab, on the Flight Line or Production Line. Ideal for Flight Schools, Flight Operations, Headset Sales Facilities, Calibration Labs, Avionics Shops and any Aircraft Service or Repair Facility.

The panel comes enclosed in it's own cabinet back and allows for standard rack mounting or stand alone use. The panel finish is an epoxy based LinAire Tan with dark brown lettering and knobs of brown with gold trim.

The LH4 provides a complete range of tests for Headphones, Microphones (Carbon, Electret or Equivalent, Dynamic), Headsets and their associated switches, cords and plugs, from go no-go to complete performance certification. Testing can be performed using voice and/or the internal tone generator when testing any unit or combination of units. Evaluation of the unit under test (UUT) can then be made using the LH4 Speaker, Meter and other panel indicators.

A comprehensive manual is provided with the LH4 detailing eight different tests for checking Headphones, Microphones, Headsets and cords. Step by step instructions for performing each test make use of the test set simple for even the most non-technical person. These tests can also be used by technical personnel to determine the nature, necessity, or the results of any repairs to the UUT.

Included in the manual is an example Certificate of Performance that can be copied and used when performance documentation is necessary. Additionally, information about the LH4 (Schematic, Part List, Internal Diagrams, Control Functions and more) is an integral part of the manual. **P/N LH4**

Electrical and Mechanical Characteristics

The LH4 requires an AC 100 to 250 volt 50/400 Hz power source. Other than the AC power source this unit is completely self contained and may be used as a stand-alone unit or rack-mounted.

Size & Finish

The LH4 panel is a cabinet enclosed unit measuring 3.5" high, 19" wide and 6" deep (rack-mounted) and overall 7.5" deep. The panel finish is an epoxy based LinAire Tan with dark brown lettering and knobs of brown with gold trim.



LI2 & LI3 Inverter Test Panel

The Inverter Test panel is a resistor load bank with input and output metering.

Input voltage (0 - 30 DC) and (0 - 100 AMPS) input current are metered on the panel The DC input power is protected by a 50 AMPS circuit breaker. The power is connected to the inverter through a 3–pin connecter and controlled by the panel ON/OFF switch which operates a high current relay.

The load bank is fan cooled. Both the fan and relay operate at either 115V AC (L13) or 230V AC (L12) 50-60 Hz.

The inverter's output voltage and current for both 26VAC and 115VAC 400Hz are metered on the panel. There are 5 loads (175VA each) selectable for the 115VAC and 1 load (70VA) for the 26VAC inverter outputs. The outputs are circuit breaker protected.

Tip–Jacks allow for scope connection to view the waveform. The panel is a completely cabinet enclosed unit. The panel can be used as a stand-alone unit or rack-mounted. The panel is 19" wide, 8.75" high, and 6" deep (rack-mounted).

P/N LI2 P/N LI3

Manufacturer	Unit	Harnes
Avionics Instruments	1A700	LI1001
	1A1000	LI1001
	1A250	L11008
	2A1000	LI1010
lite-tronics	PC17	LI1005
	PC17A	LI1005
	PC14B	LI1006
	PC125	LI1006
	PC14D	LI1012
	PC16	LI1008
	PC250	LI1008
	PC15B	LI1003
	PC15C	LI1003
	PC251	LI1003
	PC251-3A	LI1003
	PC251-3B	LI1003
	PC251-5A	LI1003
	PC251-5B	LI1003
	PC15H	LI1004
	PC350	LI1004
	PC350-1A	LI1011
	PC251-15A	LI1013
	PC251-15B	LI1013
GS Electronics	SPC60	LI1005
	SPC60A	LI1005
	SPC75	LI1005
	SPC30	LI1007
	SPC30A	LI1008
	SPC38	LI1008
	SPS205	LI1008
	SPS206	LI1008
	SPS305	LI1008
	SPS306	LI1008
	SPS1307	LI1009
eland	ASH674-1	LI1090
	ASH674-2	LI1090
	ASH674-3P	LI1090

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