

Instrument panel layout 1



Devices list:

No.	Device	Model	Remarks
Flight instruments			
1	Flight computer	LX 9000	options must be specified ¹
2	Electrical variometer	LX V8	
3	Radio unit	TRIG TY91	
4	Transponder	TRIG TT21 / TT22	model must be specified ²
5	FES motor control unit	LX	
6	Air speed indicator	WINTER 7 FMS 4	units must be specified ³
7	Altimeter	WINTER 4 FGH 20	units must be specified ³
8	Mechanical variometer	WINTER 5 STVM 5	units must be specified ³

	Instrument's cables		
9	Cable for LX 9000 computer	LX	LX „Du-ca“ (length 300mm)
10	Cable for LX V8 vario.	LX	LX „Vu-ca“ (length 300mm)
11	Cable for TRIG TY91 radio		
12	Cable for TRIG TT21/22 transp.		
13	Cable for LX MOP 2 sensor	LX	
	Antennas		
14	Radio antenna	DOLBA BD5	
15	Cable for radio antenna		together with DOLBA BD5 aer.
16	Transponder antenna	TED 104-12	
17	Cable for transponder antenna		RG58 (min. length – 4m)
18	GPS antenna	LX	for LX 9000 (length 400mm)
19	FLARM antenna	LX (Classic dipole)	for LX 9000 ¹ (length 400mm)
20	Wi-Fi antenna	LX	for LX 9000 ¹
	Switches – Circuit breakers		
21	„Main switch“		
22	„Power switch“		for FES system
23	Canopy limit switch		for FES system
24	Microphone's switch		
25	Circuit breaker	KLIXON 2A	for FCU instrument
26	Circuit breaker	KLIXON 3A	for LX 9000 computer
27	Circuit breaker	KLIXON 3A	for TRIG transponder
28	Circuit breaker	KLIXON 5A	for TRIG radio unit
	Additional systems		
29	FES system	LZ Design	
30	Fire warning system		for FES system
31	Electric motor sensor	LX MOP2-485-EL	for FES system
32	Air brake – landing gear alarm		controlled by LX variometer.
	Additional components		
33	Speaker	EAGLE B185 (5W)	for LX V8 variometer
34	Speaker	EAGLE B183A (8W)	for radio unit
35	Microphone (gooseneck)	LXMICEA 500/10	for radio unit
36	Headset speaker jack	JJ034	
37	Headset microphone jack	JJ033	
38	Remote control stick	LX	mounting diam. – 19mm
39	LX RS485 splitter	LX	
40	Mounting trays for TRIG devices	TRIG	2 qty.
41	Electrical connectors set	AMPHENOL	quick connectors (AT series)
	Instrument's air system comp.		
42	Expansion tank	WINTER (0.45 l)	
43	5-way quick connector		for instrument panel
44	Static pressure probes		standard
45	Dynamic pressure probe		standard
46	TE pressure probe		standard

	Additional brackets		
47	LAK-17B 77 01 07 00 SB		for TRIG main units
	Batteries		
48	Fin battery		

1. LX9000 flight computer options:
2. TRIG transponder model:
3. WINTER instrument's (ø57mm) units

Air speed indicator:

Altimeter:

Variometer:

Instrument panel layout 2



Devices list:

No.	Device	Model	Remarks
Flight instruments			
1	Flight computer	LX 9070	options must be specified ¹
2	Electrical variometer	LX V8	
3	Radio unit	TRIG TY91	
4	Transponder	TRIG TT21 / TT22	model must be specified ²
5	FES motor control unit	LX	
6	Air speed indicator	WINTER 7 FMS 4	units must be specified ³
7	Altimeter	WINTER 4 FGH 20	units must be specified ³

Instrument's cables			
8	Cable for LX 9070 computer	LX	LX „Du-ca“ (length 300mm)
9	Cable for LX V8 vario.	LX	LX „Vu-ca“ (length 300mm)
10	Cable for TRIG TY91 radio		
11	Cable for TRIG TT21/22 transp.		
12	Cable for LX MOP 2 sensor	LX	
Antennas			
13	Radio antenna	DOLBA BD5	
14	Cable for radio antenna		together with DOLBA BD5 aer.
15	Transponder antenna	TED 104-12	
16	Cable for transponder antenna		RG58 (min. length – 4m)
17	GPS antenna	LX	for LX 9070 (length 400mm)
18	FLARM antenna	LX (Classic dipole)	for LX 9070 ¹ (length 400mm)
19	Wi-Fi antenna	LX	for LX 9070 ¹
Switches – Circuit breakers			
20	„Main switch“		
21	„Power switch“		for FES system
22	Canopy limit switch		for FES system
23	Microphone's switch		
24	Circuit breaker	KLIXON 2A	for FCU instrument
25	Circuit breaker	KLIXON 3A	for LX 9070 computer
26	Circuit breaker	KLIXON 3A	for TRIG transponder
27	Circuit breaker	KLIXON 5A	for TRIG radio unit
Additional systems			
28	FES system	LZ Design	
29	Fire warning system		for FES system
30	Electric motor sensor	LX MOP2-485-EL	for FES system
31	Air brake – landing gear alarm		controlled by LX variometer.
Additional components			
32	Speaker	EAGLE B185 (5W)	for LX V8 variometer
33	Speaker	EAGLE B183A (8W)	for radio unit
34	Microphone (gooseneck)	LXMICEA 500/10	for radio unit
35	Headset speaker jack	JJ034	
36	Headset microphone jack	JJ033	
37	Remote control stick	LX	mounting diam. – 19mm
38	LX RS485 splitter	LX	
39	Mounting trays for TRIG devices	TRIG	2 qty.
40	Electrical connectors set	AMPHENOL	quick connectors (AT series)
Instrument's air system comp.			
41	5-way quick connector		for instrument panel
42	Static pressure probes		standard
43	Dynamic pressure probe		standard
44	TE pressure probe		standard

	Additional brackets		
45	LAK-17B 77 01 07 00 SB		for TRIG main units
	Batteries		
46	Fin battery		

1. LX9070 flight computer options:
2. TRIG transponder model:
3. WINTER instrument's (ø57mm) units
 - Air speed indicator:
 - Altimeter:

Instrument panel layout 3



Devices list:

No.	Device	Model	Remarks
	Flight instruments		
1	Flight computer	LX 9070	options must be specified ¹
2	Electrical variometer	LX V8	
3	Radio unit	TRIG TY91	
4	FES motor control unit	LX	
5	AIR control display	ACD-57	as electrical altimeter
6	Air speed indicator	WINTER 7 FMS 4	units must be specified ²
7	Mechanical variometer	WINTER 5 STVM 5	units must be specified ²

Instrument's cables			
8	Cable for LX 9070 computer	LX	LX „Du-ca“ (length 300mm)
9	Cable for LX V8 vario.	LX	LX „Vu-ca“ (length 300mm)
10	Cable for TRIG TY91 radio		
11	Cable for ACD-57 display		
12	Cable for LX MOP 2 sensor	LX	
Antennas			
13	Radio antenna	DOLBA BD5	
14	Cable for radio antenna		together with DOLBA BD5 aer.
15	GPS antenna	LX	for LX 9070 (length 400mm)
16	FLARM antenna	LX (Classic dipole)	for LX 9070 ¹ (length 400mm)
17	Wi-Fi antenna	LX	for LX 9070 ¹
Switches – Circuit breakers			
18	„Main switch“		
19	„Power switch“		for FES system
20	Canopy limit switch		for FES system
21	Microphone's switch		
22	Circuit breaker	KLIXON 1A	for ACD-57 display
23	Circuit breaker	KLIXON 2A	for FCU instrument
24	Circuit breaker	KLIXON 3A	for LX 9070 computer
25	Circuit breaker	KLIXON 5A	for TRIG radio unit
Additional systems			
26	FES system	LZ Design	
27	Fire warning system		for FES system
28	Electric motor sensor	LX MOP2-485-EL	for FES system
29	Air brake – landing gear alarm		controlled by LX variometer.
Additional components			
30	Speaker	EAGLE B185 (5W)	for LX V8 variometer
31	Speaker	EAGLE B183A (8W)	for radio unit
32	Microphone (gooseneck)	LXMICEA 500/10	for radio unit
33	Headset speaker jack	JJ034	
34	Headset microphone jack	JJ033	
35	Remote control stick	LX	mounting diam. – 19mm
36	LX RS485 splitter	LX	
37	Mounting tray for TRIG radio	TRIG	
38	Electrical connectors set	AMPHENOL	quick connectors (AT series)
Instrument's air system comp.			
39	Expansion tank	WINTER (0.45 l)	
40	5-way quick connector		for instrument panel
41	Static pressure probes		standard
42	Dynamic pressure probe		standard
43	TE pressure probe		standard

	Additional brackets		
44	LAK-17B 77 01 07 00 SB		for TRIG main units
	Batteries		
45	Fin battery		

1. LX9070 flight computer options:
2. WINTER instrument's (ø57mm) units
 - Air speed indicator:
 - Variometer:

Instrument panel layout 4



Devices list:

No.	Device	Model	Remarks
Flight instruments			
1	Flight computer	Naviter OUDIE 2	model must be specified ¹
2	Electrical variometer	LX S100	options must be specified ²
3	Radio unit	TRIG TY91	
4	Transponder	TRIG TT21/22	model must be specified ³
5	FES motor control unit	LX	
6	Air speed indicator	WINTER 7 FMS 4	units must be specified ⁴
7	Altimeter	WINTER 4 FGH 20	units must be specified ⁴
8	Mechanical variometer	WINTER 5 STVM 5	units must be specified ⁴
9	FLARM device	LX Power Mouse	options must be specified ⁵
10	Flarm display	LX FlarmLED	model must be specified ⁶

Instrument's cables			
11	Cable for LX S100 vario.	LX	„S8x-ca“ (length 300mm)
12	Cable for OUDIE-S100	LX	CC-NP-OUDIE1
13	Cable for TRIG TY91 radio		
14	Cable for TRIG TT21/22 transp.		
15	Cable for LX Power Mouse	LX	„PF POWER 12 VDC“
16	Cable for LX Power Mouse	LX	„PowerFlarm-ca“
17	Cable for FLARM display	LX	„FlarmViewPF-ca“
18	Cable for FLARM splitter	LX	„FlarmViewPF-ca“
19	Cable for LX MOP 2 sensor	LX	
Antennas			
20	Radio antenna	DOLBA BD5	
21	Cable for radio antenna		together with DOLBA BD5 aer.
22	Transponder antenna	TED 104-12	
23	Cable for transponder antenna		RG58 (min. length – 4m)
24	GPS antenna	LX	for LX S100 (length 400mm)
25	Bluetooth antenna	LX	for LX S100
26	GPS antenna	LX	for Power Mouse (length 400mm)
27	FLARM antenna	LX Classic dipole	for Power Mouse (length 400mm)
28	Bluetooth antenna	LX	for Power Mouse
Switches – Circuit breakers			
29	„Main switch“		
30	„Power switch“		for FES system
31	Canopy limit switch		for FES system
32	Microphone's switch		
33	Circuit breaker	KLIXON 2A	for FCU instrument
34	Circuit breaker	KLIXON 3A	for LX S100 variometer
35	Circuit breaker	KLIXON 3A	for TRIG transponder
36	Circuit breaker	KLIXON 5A	for TRIG radio unit
37	Fuse	SK PTF-80A 3A	for Power Mouse
Additional systems			
38	FES system	LZ Design	
39	Fire warning system		for FES system
40	Electric motor sensor	LX MOP2-CAN-EL	for FES system
41	Air brake – landing gear alarm		controlled by LX variometer.
Additional components			
42	Speaker	EAGLE B185 (5W)	for LX V8 variometer
43	Speaker	EAGLE B183A (8W)	for radio unit
44	Microphone (gooseneck)	LXMICEA 500/10	for radio unit
45	Headset speaker jack	JJ034	
46	Headset microphone jack	JJ033	
47	Remote control stick	LX	mounting diam. – 19mm
48	RS485-CAN bridge	LX	for remote control stick connec.
49	CAN-Y cable	LX	CAN-Y cable
50	Power Flarm splitter (4 ports)	LX	LX-PowerFlarm-SPL

51	Mounting trays for TRIG devices	TRIG	2 qty.
52	Electrical connectors set	AMPHENOL	quick connectors (AT series)
	Instrument's air system comp.		
53	Expansion tank	WINTER (0.45 l)	
54	5-way quick connector		for instrument panel
55	Static pressure probes		standard
56	Dynamic pressure probe		standard
57	TE pressure probe		standard
	Additional brackets		
58	LAK-17B 77 01 07 00 SB		for TRIG main units
59	LAK-17B 77 01 08 00 SB		for Power Mouse
	Batteries		
60	Fin battery		

1. OUDIE 2 flight computer model:
2. LX S100 variometer options:
3. TRIG transponder model:
4. WINTER instrument's (ø57mm) units
 - Air speed indicator:
 - Altimeter:
 - Variometer:
5. LX Power Mouse device options:
6. LX FlarmLED display model:

Additional systems – components

- **ACL light system (in the fin leading edge)**

Anticollision light can be installed in two control configurations:

- **Manual control.** The system's control (turning ON and OFF) is controlled by pilot.
- **Automatic control.** Using a LX FlarmACL unit the light is controlled automatically when the FLARM system detects warning.

- **Flap sensor**

This device enables Flap position assistant on the LX flight computer.

- **TRIG radio unit/transponder adapters (“Bridge”)**

TRIG Bridge allows to control the TRIG devices (radio and transponder) via the LX flight computer. Transponder can be only controlled with control head (TC20) or with LX TRIG bridge.

- **NMEA bridge**

The NMEA Bridge has been designed to expand a number of NMEA ports in the LXnav system. It can be used as a bridge connecting the radio or transponder to flight computer, or as classic NMEA output. For example, to feed a Mode-S transponder with NMEA data to have a ADS-B output function.

- **FCU device adapter (“Bridge”)**

FCU Bridge allows to see the more detailed FES system information via the LX flight computer. Also it enables FES system parameters recording to .IGC file.

Requirements for microphones and speakers (installed in the cockpit)

- The gooseneck microphone's length must be at least **500 mm**. (the microphone's attachment point is behind the seat, so it must be enough long that pilot sitting in the most forward seat position would reach the microphone)
- The speaker's reference dimensions should fit to **90x80x50 mm**.