Soaring Flight Computer Comparison

Paul E. Remde
Cumulus Soaring Supplies

Notes:
- It is not possible to show every combination of software and hardware, so I have tried to show the combinations that are unique. Every software package shown can be used with any GPS or logger.
- System prices do **not** include a mount for the Pocket PC: $36 to $200
- In the pricing row, "Cbls" is for cables and power supply for PDA.
- The term "Any GPS" is meant to represent any GPS which outputs NMEA 0183 data. It includes all GPS units I'm aware of - such as: Garmin, Magellan, Emtac Transplant, TeleType, Rikaline, Pharos, etc. Try to find a GPS that runs on 12 V. A Rikaline GPS with cigarette lighter power converter is used in this table. A more efficient power converter is recommended for most applications.

	 Soaring Pilot on Palm M125  Any GPS	 Soaring Pilot on Garmin iQue	 Glide Nav. II Dell Axim X5 CF Card GPS	 Birecki GPS_Log  Any GPS	 flywithce Navi-gator  Any GPS	 CEGlide  Any GPS	 Glide Nav. II  Any GPS	 pocket StrePla  Any GPS	 WinPilot Adv.  Any GPS	 303  302A	 Glide Nav. II  302A	 Volks-logger	 Glide Nav. II  Volks-logger	 WinPilot Adv.  Volks-logger	 WinPilot Pro  B50  Volks-logger
Features	SP: Free M125:170 GPS: 100 Cbls: 20 Tot:**$290**	SP: Free iQue:590 Tot:**$590**	GNII: 200 PPC: 278 GPS: 170 Tot:**$648**	GL: Free PPC: 460 GPS: 100 Cbls: 20 Tot:**$580**	fwce: 160 PPC: 460 GPS: 100 Cbls: 20 Tot:**$740**	CEGl: 199 PPC: 460 GPS: 100 Cbls: 20 Tot:**$779**	GNII: 200 PPC: 460 GPS: 100 Cbls: 20 Tot:**$780**	pSP: 270 PPC: 460 GPS: 100 Cbls: 20 Tot:**$1080**	WP: 375 PPC: 460 GPS: 100 Cbls: 20 Tot:**$955**	303: 395 CFR: 895 Tot:**$1290**	GNII: 200 PPC: 460 CFR: 895 Cbls: 55 Tot:**$1610**	**$890**	GNII: 200 PPC: 460 VL: 890 Cbls: 200 Tot:**$1750**	WP: 375 PPC: 460 VL: 890 Cbls: 200 Tot:**$1925**	WPP: 475 PPC: 460 B50: 1020 VL: 890 Cbls: 225 Tot:**$3070**
Variometer with Averager and Audio								Averager							Vario
Speed-to-fly Director															STF
GPS Receiver	GPS	GPS	GPS	GPS	GPS	GPS	GPS	GPS	GPS	GPS	GPS	GPS	GPS	GPS	GPS
Flight Logger ("Not IGC", "IGC" for all, "IGC-NW" not for world records)	Not IGC	Not IGC	Not IGC	?	?	?	Not IGC	Not IGC	Not IGC	IGC	IGC	IGC	IGC	IGC	IGC
Altimeter ("Alt-Pr"=Pressure (Best), "Alt-GPS"=GPS Alt)	Alt-GPS	Alt-GPS	Alt-GPS	Alt-GPS	Alt-GPS	Alt-GPS	Alt-GPS	Alt-GPS	Alt-GPS	Alt-Pr	Alt-Pr	Alt-Pr	Alt-Pr	Alt-Pr	Alt-Pr
Airspeed sensers															Airspd
Outside Air Temperature Senser															OAT
Differential Final Glide (Pressure Alt. (most accurate) or GPS Alt.)	Diff-GPS	Diff-GPS	Diff-GPS	?	Diff-GPS	?	Diff-GPS	Diff-GPS	Diff-GPS		Diff-Pr		Diff-Pr	Diff-Pr	Diff-Pr
Turnpoint Area Task Support	TAT	TAT	TAT	?	TAT	?	TAT		TAT		TAT		TAT	TAT	TAT
Number of waypoints stored (logger/PPC)	No Limit	No Limit	No Limit	No Limit	No Limit	No Limit	No Limit	No Limit	No Limit	2K	2K	500	500	500	500/NL
Hours of Flight Log Recording (hours@interval)	No Limit	No Limit	No Limit	No Limit	No Limit	No Limit	No Limit	No Limit	No Limit	100@4s	100@4s	10@4s	10@4s	10@4s	10@4s
Wind speed & direction (A=Airspeed & GPS (Best), C=GPS while Circling)	Wind-C	Wind-C	Wind-C	Wind-C	Wind-C	Wind-C	Wind-C	Wind-C	Wind-C	Wind-C	Wind-C		Wind-C	Wind-C	Wind-A
Simple navigation display with turn arrows										Nav					
Task Editing and selection	Tasks	Tasks	Tasks	Tasks	Tasks	Tasks	Tasks	Tasks	Tasks	Tasks	Tasks	Tasks	Tasks	Tasks	Tasks
Electronic Task Declarations	?	?		?	?	?		Declare	Declare	Declare	Declare	Declare	Declare	Declare	Declare
Waypoints on moving map (Map=All Waypoints, Map-T=Task WPs Only)	Map	Map	Map	Map	Map	Map	Map	Map	Map		Map		Map	Map	Map
Special Use Airspace on moving map	SUA	SUA	SUA	SUA	SUA	SUA	SUA	SUA	SUA		SUA		SUA	SUA	SUA
Topographical data on moving map								Topo	Topo					Topo	Topo
Climb Maximizer (takes vario data and points to center of thermal)															Cl Max
Reachable airports highlighted on moving map display	Reach	Reach	Reach	?	Reach	?	Reach	Reach	Reach		Reach		Reach	Reach	Reach
Provides 5V Power supply for PDA (Compaq Aero 1500 only, or All)										Pwr-All	Pwr-All				
Inputs for "Airbrakes Open on Takeoff" and "Gear Up" warnings															
Input for "Cruise/Climb" switch (flap handle often used)															Cr/Cl
Panel Space Required (L=large hole, S=small hole, PPC=Pocket PC)	GPS PPC	GPS	PPC	GPS PPC	GPS PPC	GPS PPC	GPS PPC	GPS PPC	GPS PPC	2S	PPC 0 or 1S	GPS	PPC GPS	PPC GPS	2S PPC, GPS

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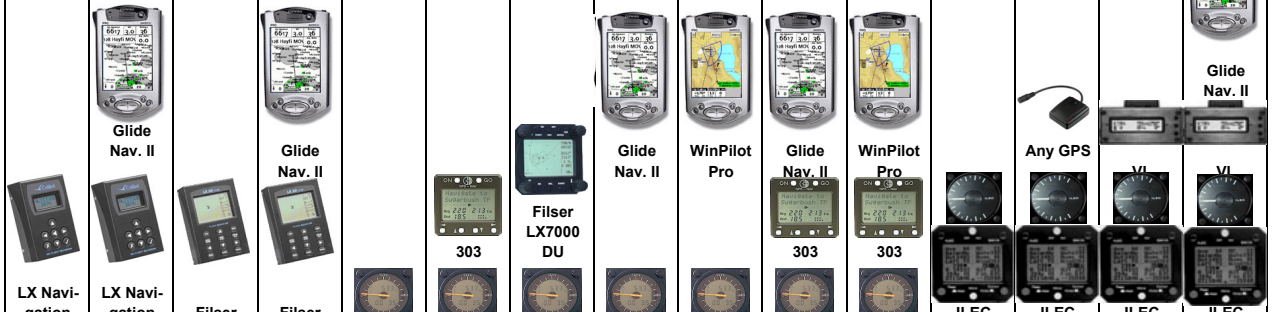

	LX Navi-gation Colibri	LX Navi-gation Colibri	Filser LX20	Filser LX20	302	303	Filser LX7000 DU	Glide Nav. II	WinPilot Pro	Glide Nav. II	WinPilot Pro	ILEC SN-10B	Any GPS	ILEC SN-10B	Glide Nav. II	ILEC SN-10B
Features	**$895**	GNII: 200 PPC: 460 GPS: 895 Cbls: 200 Tot:**$1775**	**$1,595**	GNII: 200 PPC: 460 GPS:1595 Cbls: 200 Tot:**$2495**	**$2375**	303: 395 302: 2375 Tot:**$2770**	LX:???? 302: 2375 Tot:$????	GNII: 200 PPC: 460 302: 2375 Cbl: 55 Tot:**$3090**	WPP: 475 PPC: 460 302: 2375 Cbl: 55 Tot:**$3365**	GNII: 200 PPC: 460 303: 395 302: 2375 Cbl: 55 Tot:**$3485**	WPP: 475 PPC: 460 303: 395 302: 2375 Cbl: 55 Tot:**$3760**	**$2,995**	GPS: 100 SN:2995 Cbl: 65 Tot:**$3160**	VL:890 SN:2995 Cbl:45 Tot:**$3930**	GNII: 200 PPC: 460 VL: 890 SN:2995 Cbl: 218 Tot:**$4763**
Variometer with Averager and Audio					Vario	Vario	Vario	Vario	Vario	Vario	Vario	Vario	Vario	Vario	Vario	Vario
Speed-to-fly Director					STF	STF	STF	STF	STF	STF	STF	STF	STF	STF	STF	STF
GPS Receiver	GPS	GPS	GPS	GPS	GPS	GPS	GPS	GPS	GPS	GPS	GPS		GPS	GPS	GPS	GPS
Flight Logger ("Not IGC", "IGC" for all, "IGC-NW" not for world records)	IGC	IGC	IGC	IGC	IGC	IGC	IGC	IGC	IGC	IGC	IGC		Not IGC	IGC	IGC	IGC
Altimeter ("Alt-Pr"=Pressure (Best), "Alt-GPS"=GPS Alt)	Alt-Pr	Alt-Pr	Alt-Pr	Alt-Pr	Alt-Pr	Alt-Pr	Alt-Pr	Alt-Pr	Alt-Pr	Alt-Pr	Alt-Pr	Alt-Pr	Alt-Pr	Alt-Pr	Alt-Pr	Alt-Pr
Airspeed sensers					Airspd	Airspd	Airspd	Airspd	Airspd	Airspd	Airspd	Airspd	Airspd	Airspd	Airspd	Airspd
Outside Air Temperature Senser					OAT	OAT	OAT	OAT	OAT	OAT	OAT	OAT	OAT	OAT	OAT	OAT
Differential Final Glide (Pressure Alt. (most accurate) or GPS Alt.)		Diff-GPS	Diff-Pr	Diff-Pr		Diff-Pr	Diff-Pr	Diff-Pr	Diff-Pr	Diff-Pr	Diff-Pr		Diff-Pr	Diff-Pr	Diff-Pr	Diff-Pr
Turnpoint Area Task Support		TAT		TAT			TAT	TAT	TAT	TAT	TAT	TAT	TAT	TAT	TAT	TAT
Number of waypoints stored (logger/PPC)	600	600	600	600	2K	2K	2K	2K	2K	2K	2K	600	600	600	600	600
Hours of Flight Log Recording (hours@interval)	50@12	50@12	53@12	53@12	100@4s	100@4s	100@4s	100@4s	100@4s	100@4s	100@4s		13@2s	10@4s	10@4s	10@4s
Wind speed & direction (A=Airspeed & GPS (Best), C=GPS while Circling)	Wind-C	Wind-C	Wind-C	Wind-C	Wind-A	Wind-A	Wind-A	Wind-A	Wind-A	Wind-A	Wind-A		Wind-A	Wind-A	Wind-A	Wind-A
Simple navigation display with turn arrows	Nav	Nav	Nav	Nav		Nav				Nav	Nav		Nav	Nav	Nav	Nav
Task Editing and selection	Tasks	Tasks	Tasks	Tasks		Tasks	Tasks	Tasks	Tasks	Tasks	Tasks	Tasks	Tasks	Tasks	Tasks	Tasks
Electronic Task Declarations	Declare	Declare	Declare	Declare		Declare	Declare	Declare	Declare	Declare	Declare		Declare	Declare	Declare	Declare
Waypoints on moving map (Map=All Waypoints, Map-T=Task WPs Only)			Map	Map			Map	Map	Map	Map	Map	Map-T	Map-T	Map-T	Map-T	Map-T
Special Use Airspace on moving map			SUA	SUA			SUA	SUA	SUA	SUA	SUA	SUA	SUA	SUA	SUA	SUA
Topographical data on moving map									Topo		Topo					
Climb Maximizer (takes vario data and points to center of thermal)									Cl Max		Cl Max					
Reachable airports highlighted on moving map display		Reach		Reach				Reach	Reach	Reach	Reach				Reach	
Provides 5V Power supply for PDA (Compaq Aero 1500 only, or All)					Pwr-All	Pwr-All		Pwr-All	Pwr-All	Pwr-All	Pwr-All					
Inputs for "Airbrakes Open on Takeoff" and "Gear Up" warnings					Gear-Up	Gear-Up	Gear-Up	Gear-Up	Gear-Up	Gear-Up	Gear-Up					
Input for "Cruise/Climb" switch (flap handle often used)					Cr/Cl	Cr/Cl	Cr/Cl	Cr/Cl	Cr/Cl	Cr/Cl	Cr/Cl	Cr/Cl	Cr/Cl	Cr/Cl	Cr/Cl	Cr/Cl
Panel Space Required (L=large hole, S=small hole, PPC=Pocket PC)	GPS	GPS PPC	GPS	GPS PPC	1S	2S	1L, 1S	1S PPC	1S PPC	2S PPC	2S PPC	1L, 1S	1L, 1S GPS	1L, 1S GPS	1L, 1S GPS PPC	

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- The term "Any GPS" is meant to represent any GPS which outputs NMEA 0183 data. It includes all GPS units I'm aware of - such as: Garmin, Magellan, Emtac Transplant, TeleType, Rikaline, Pharos, etc. Try to find a GPS that runs on 12 V. A Rikaline GPS with cigarette lighter power converter is used in this table. A more efficient power converter is recommended for most applications.

	Soaring Pilot + Any GPS + Borgelt B50	Any GPS + B50 + Borgelt B2000	Volks-logger + B50 + Borgelt B2000	LX Navi-gation Colibri + LX Navigation LX160	flywithce Navi-gator + Colibri + LX Navigation LX1600	Any GPS + LX Navi-gation LX7000 Basic	LX Navi-gation LX7000 Pro IGC	SDI & Zander ZS1	SDI & Zander GP941	SDI Posi-graph	Themi with logger	Wester-boer VW922 GPS
Features	SP: Free PDA:170 GPS: 100 B50:1020 Cbls: 200 Tot:**$1490**	GPS: 100 B50:1020 B2000: 1325 Cbls: 150 Tot:**$2595**	VL: 890 B50:1020 B2000: 1325 Cbls: 100 Tot:**$3335**	GPS: 895 LX:1295 Cbl: 55 Tot:**$2245**	fwce: 160 PPC: 460 GPS: 895 LX:1595 Tot:**$3110**	GPS: 100 LX: 2995 Cbl: 50 Tot:**$3145**	**$4,495**				**$1,295**	
Variometer with Averager and Audio	Vario	Vario	Vario	Vario	Vario	Vario	Vario	Vario				
Speed-to-fly Director	STF	STF	STF	STF	STF	STF	STF	STF				
GPS Receiver	GPS	GPS	GPS	GPS	GPS	GPS	GPS		GPS	GPS	GPS	GPS
Flight Logger ("Not IGC", "IGC" for all, "IGC-NW" not for world records)			IGC	IGC	IGC	Not IGC	IGC		IGC	IGC	IGC-NW	
Altimeter ("Alt-Pr"=Pressure (Best), "Alt-GPS"=GPS Alt)	?	Alt-Pr	Alt-Pr	Alt-Pr	Alt-Pr	Alt-Pr	Alt-Pr		Alt-Pr	Alt-Pr	Alt-Pr	
Airspeed sensers	Airspd	Airspd	Airspd	Airspd	Airspd	Airspd	Airspd	Airspeed				
Outside Air Temperature Senser	?			?	?	?	?	?				
Differential Final Glide (Pressure Alt. (most accurate) or GPS Alt.)	?	?	?	?	Diff-Pr	?	Diff-Pr					
Turnpoint Area Task Support	TAT	?	?		TAT	TAT	TAT					
Number of waypoints stored (logger/PPC)				600	600	600	600			500		
Hours of Flight Log Recording (hours@interval)				50@12s	50@12s	190@20	190@20		70@4s		15@10s	
Wind speed & direction (A=Airspeed & GPS (Best), C=GPS while Circling)	Wind-C	Wind-A	Wind-A	Wind-C	Wind-C	?	Wind-A					
Simple navigation display with turn arrows		Nav	Nav	Nav								
Task Editing and selection	Task	Task	Task		Task	Task	Task	Task				
Electronic Task Declarations				Declare	Declare	?	Declare					
Waypoints on moving map (Map=All Waypoints, Map-T=Task WPs Only)	Map	Map	Map		Map	Map	Map	?				
Special Use Airspace on moving map	SUA	?	?		SUA	SUA	SUA	?				
Topographical data on moving map												
Climb Maximizer (takes vario data and points to center of thermal)											Cl Max	
Reachable airports highlighted on moving map display	Reach				Reach							
Provides 5V Power supply for PDA (Compaq Aero 1500 only, or All)					Pwr-All							
Inputs for "Airbrakes Open on Takeoff" and "Gear Up" warnings												
Input for "Cruise/Climb" switch (flap handle often used)		Cr/Cl	Cr/Cl			Cr/Cl	Cr/Cl					
Panel Space Required (L=large hole, S=small hole, PPC=Pocket PC)	2S	1L, 2S	1L, 2S	2S, GPS	1S, GPS PPC	1L, 1S GPS	1L, 1S	1L, 1S	GPS	GPS	2 LEDs	1L, 1S

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No Longer in Production

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	 GPS-NAV Display	 Glide Nav. II	 Any GPS	 GPS-NAV Display	 Glide Nav. II
	 GPS-NAV	 GPS-NAV	 L-NAV	 L-NAV	GPS-NAV L-NAV	GPS-NAV L-NAV
Features	**$1,560**	GNII: 200 PPC: 460 GPS:1220 Cbls: 200 Tot:**$2080**	Tot:**$2140**	GPS: 120 LNV:2140 Tot:**$2260**	Disp:500 GPS:1090 LNV:2140 Tot:**$3730**	GNII: 200 PPC: 460 GPS:1090 LNV:2140 Cbls:200 Tot:**$4090**
Variometer with Averager and Audio			Vario	Vario	Vario	Vario
Speed-to-fly Director			STF	STF	STF	STF
GPS Receiver	GPS	GPS		GPS	GPS	GPS
Flight Logger ("Not IGC", "IGC" for all, "IGC-NW" not for world records)	IGC-NW	IGC-NW			IGC-NW	IGC-NW
Altimeter ("Alt-Pr"=Pressure (Best), "Alt-GPS"=GPS Alt)	Alt-Pr	Alt-Pr	Alt-Pr	Alt-Pr	Alt-Pr	Alt-Pr
Airspeed sensers			Airspd	Airspd	Airspd	Airspd
Outside Air Temperature Senser			OAT	OAT	OAT	OAT
Differential Final Glide (Pressure Alt. (most accurate) or GPS Alt.)		Diff-Pr	Diff-Pr	Diff-Pr	Diff-Pr	Diff-Pr
Turnpoint Area Task Support		TAT				TAT
Number of waypoints stored (logger/PPC)	250	250			250	250
Hours of Flight Log Recording (hours@interval)	11@4s	11@4s			11@4s	11@4s
Wind speed & direction (A=Airspeed & GPS (Best), C=GPS while Circling)	Wind-C	Wind-C		Wind-A	Wind-A	Wind-A
Simple navigation display with turn arrows	Nav				Nav	
Task Editing and selection	Tasks	Tasks			Tasks	Tasks
Electronic Task Declarations	Declare	Declare			Declare	Declare
Waypoints on moving map (Map=All Waypoints, Map-T=Task WPs Only)		Map				Map
Special Use Airspace on moving map		SUA				SUA
Topographical data on moving map						
Climb Maximizer (takes vario data and points to center of thermal)						
Reachable airports highlighted on moving map display		Reach				Reach
Provides 5V Power supply for PDA (Compaq Aero 1500 only, or All)	Pwr1500	Pwr1500			Pwr1500	Pwr1500
Inputs for "Airbrakes Open on Takeoff" and "Gear Up" warnings			Gear-Up	Gear-Up	Gear-Up	Gear-Up
Input for "Cruise/Climb" switch (flap handle often used)			Cr/Cl	Cr/Cl	Cr/Cl	Cr/Cl
Panel Space Required (L=large hole, S=small hole, PPC=Pocket PC)	1S	PPC GPS	1L	1L, 1S GPS	1L, 2S	1L, 1S PPC