

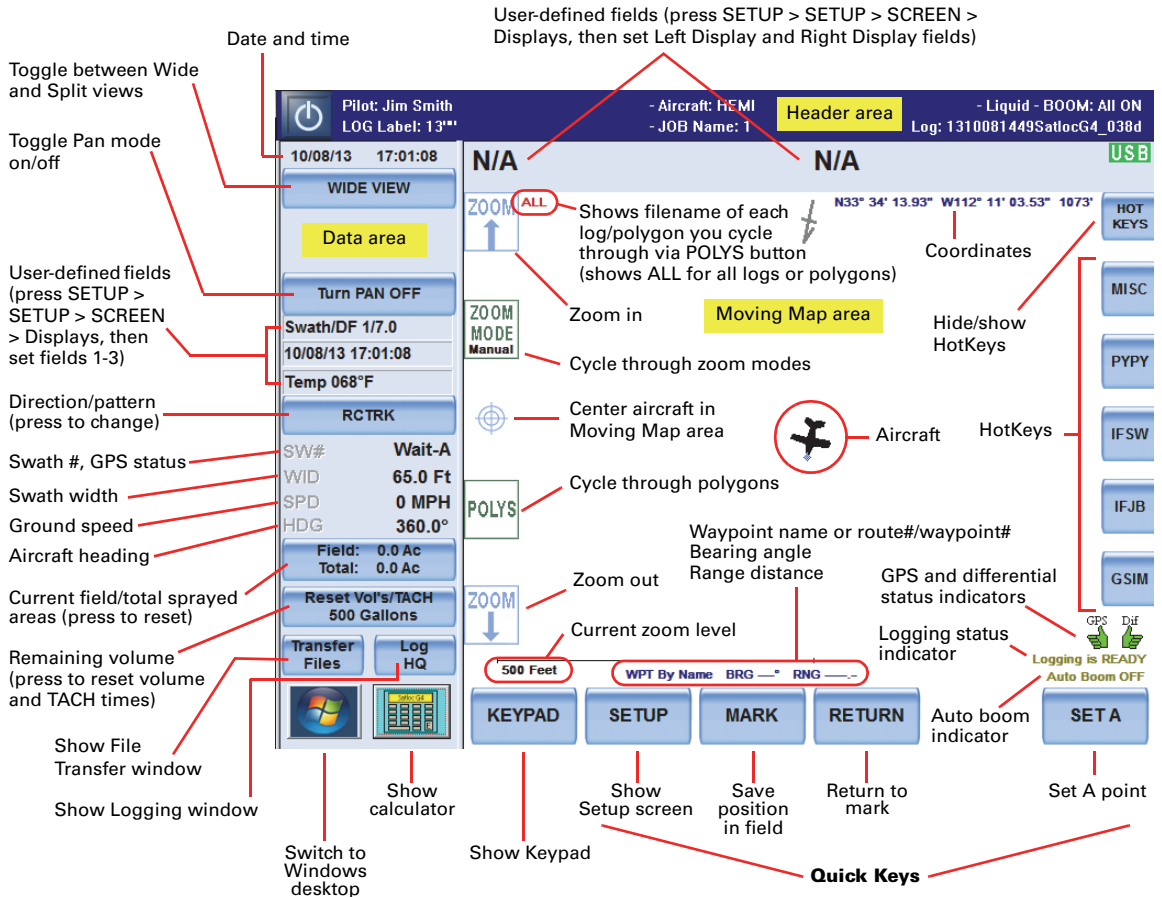


IntelliTrac Quick Reference Guide

Part Number 875-0313-000 Rev B1

Display - Overview

After you start IntelliTrac and select your logging drive—G4 hard drive or USB drive—the Map screen appears (shown below).



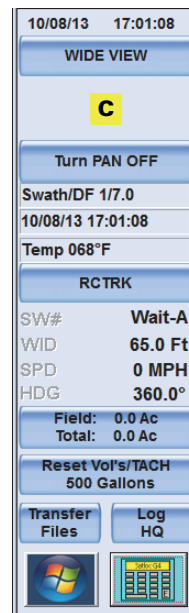
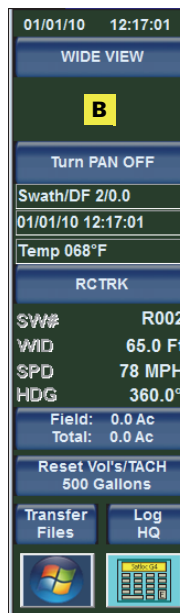
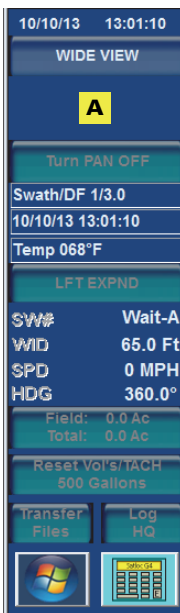
Note: Once you set a pattern the DEC and ADV Quick Keys appear at the lower right of the Moving Map area.



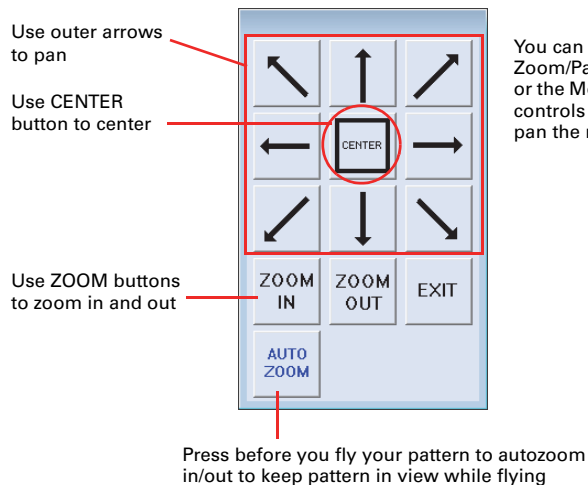
Display - Data Area

The Data area appears in different colors as follows:

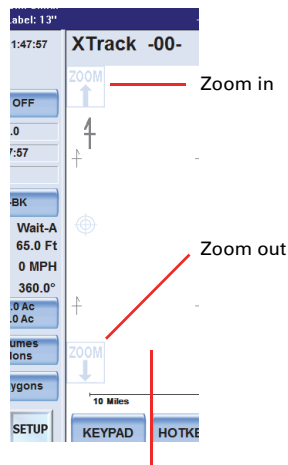
- Blue when IntelliTrac is navigating to a point or mark (**A** at right)
- Green when an A|B line is set or loaded (**B** at right)
- Gray at all other times (**C** at right)



Zooming/Panning



You can use either the Zoom/Pan window (left) or the Moving Map area controls (right) to zoom/pan the map



Pan the screen by pressing anywhere in the Moving Map area and then dragging (Pan mode must be ON)

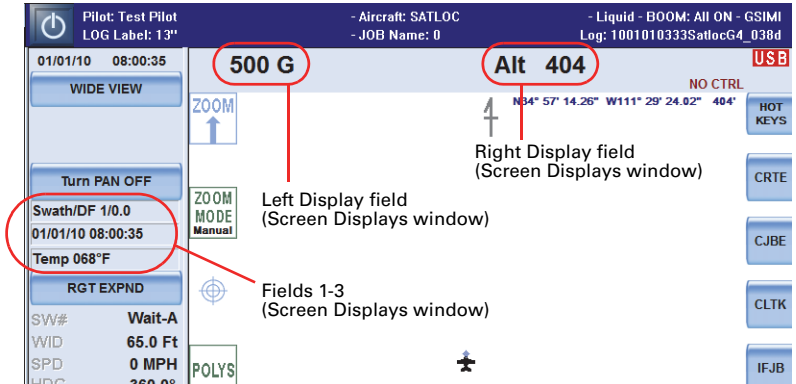


Tip! Press the CENTER button to sequentially toggle through centering the following:

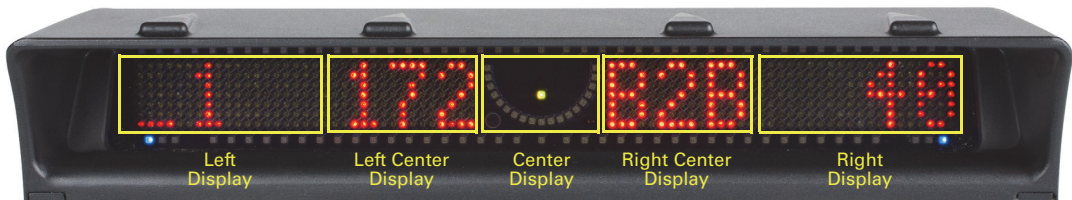
- Aircraft
- All polygons
- Each active polygon in a job
- Log (if log is loaded to view)

Setting User-Defined Fields

IntelliTrac includes several fields that allow you to display specific data (such as flow rate, temperature, and GPS altitude) in the Data area and Moving Map area (at right).

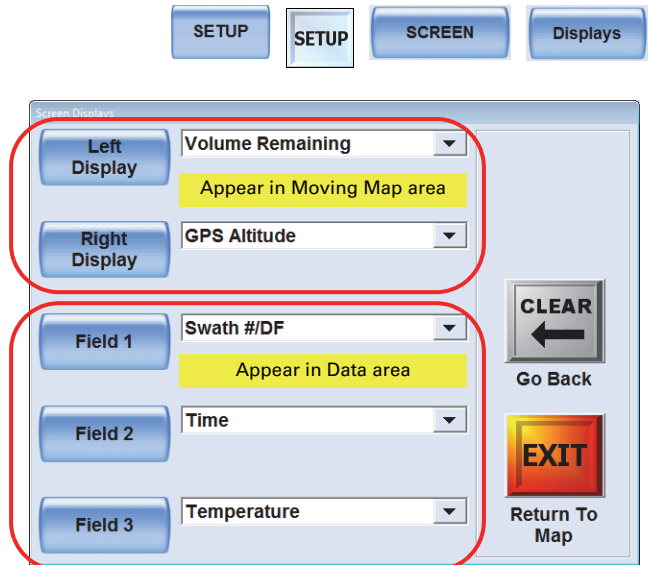


You can also set what information is displayed on both the actual lightbar and the virtual lightbar. The LEDs on a G4 lightbar are separated into sections—as shown on the L7 lightbar below.

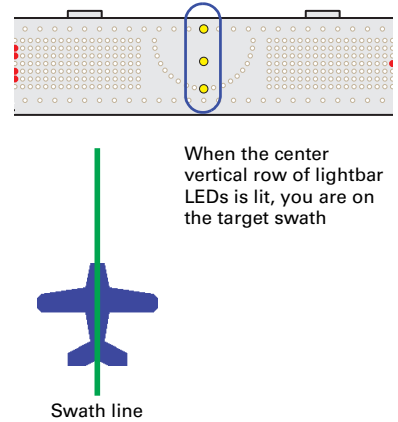
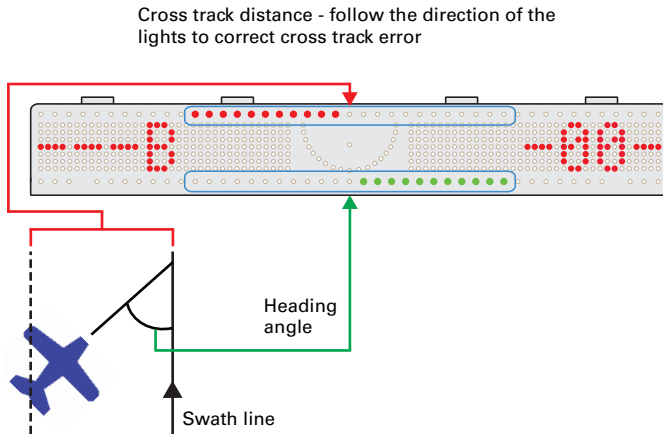
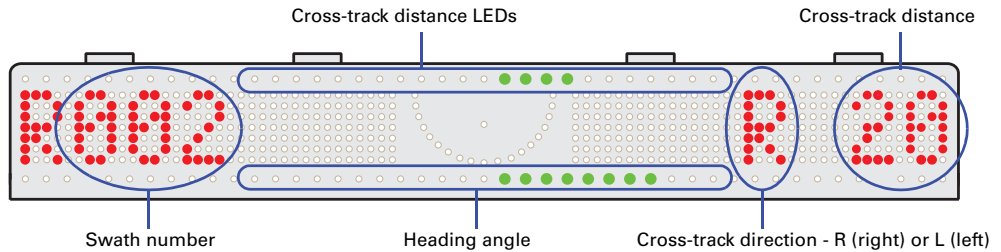


To set user-defined data for display in the Data area and the Moving Map area:

1. Press **SETUP > SETUP > SCREEN > Displays**. The Screen Displays window appears (at right).
2. Press the appropriate button then select an option from the drop-down list.
3. Repeat step 2 for each field you want to change then press **EXIT** when finished. The display fields show the newly selected information.



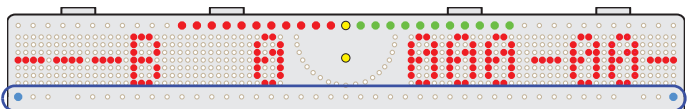
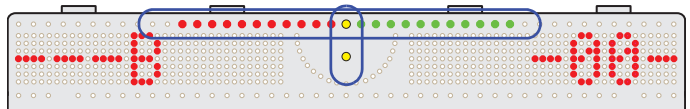
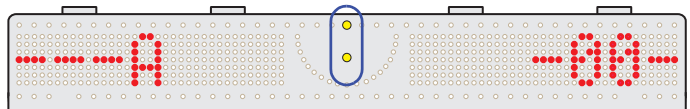
Lightbar Basics



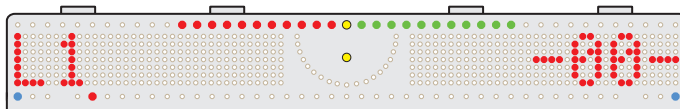
Flying a Basic Pattern

Complete the following steps to fly a basic pattern—the lightbar examples are for an open Left Back-to-Back pattern (LFT BK-BK).

1. Begin flying. "A" appears in the left display field of the lightbar prompting you to set point A of the A|B line. The top and middle center yellow LEDs illuminate.
2. Fly to the beginning of your A|B line then press the remote swath advance button to set your A point. The lightbar prompts you to set your B point (left display field) by flashing the upper row of LEDs—the top and middle yellow LEDs are also flashing.
3. Turn on your spray as you enter the field. The bottom row far left and far right LEDs illuminate to indicate spraying is on.

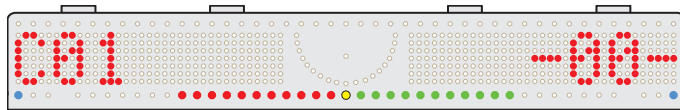


4. Press the remote swath advance to set your B point. The swath number (L1) appears in the left display field.

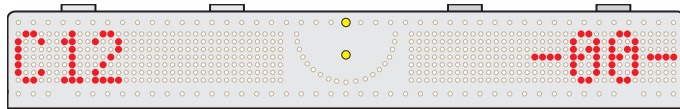


If you are flying a closed pattern, the lightbar next prompts you to set your C point. "C" appears in the left display field followed by your current swath number.

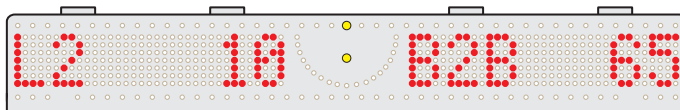
Press the remote swath advance button to set your C point.



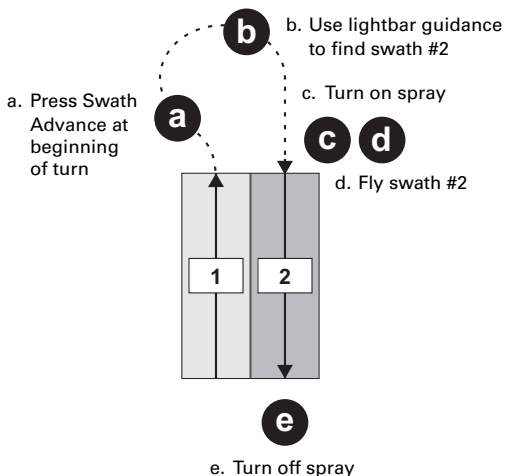
5. Turn off the spray as you leave the field. The two blue LEDs (far left and far right) are no longer illuminated.



6. Press the remote swath advance button to advance to swath #2.

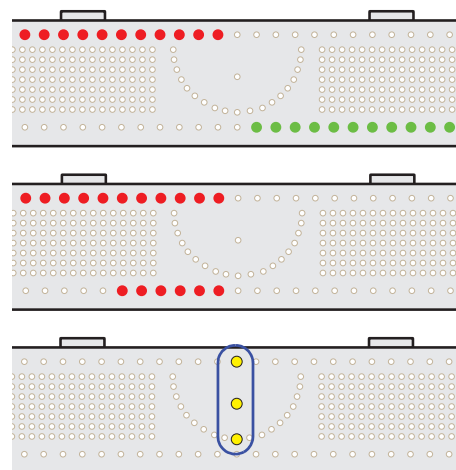


7. Make the turn onto your next swath using the lightbar for guidance.

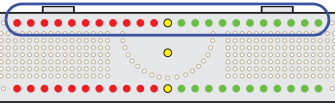
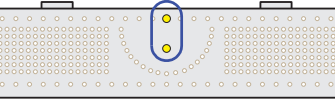


Lightbar Guidance

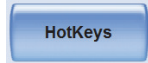
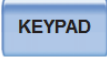
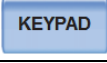
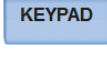
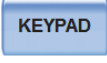
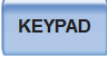
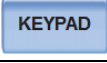
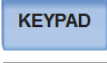
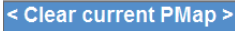
- (a) Top row of LEDs shows cross-track distance and direction to the target swath.
- (b) Bottom row of LEDs shows the heading (angle of intercept) to the target swath.
- (c) Center LEDs illuminated indicate you are lined up on the swath.



Troubleshooting

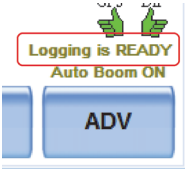
Lightbar Display	Warning Message
	Swath Double Spray Upper LED row flashes when spray on is detected on a previously sprayed swath. This will flash until the swath number is changed. (By default this is turned on.) You can turn this feature off in SETUP > SETUP > LIGHT BAR, Double Spray Warning field.
	Extrapolated GPS Top two center yellow LEDs blink. Reboot system and check for receiver and power status lights. Refer to your receiver owner's manual for more information on status indicators.

Common Flying Tasks

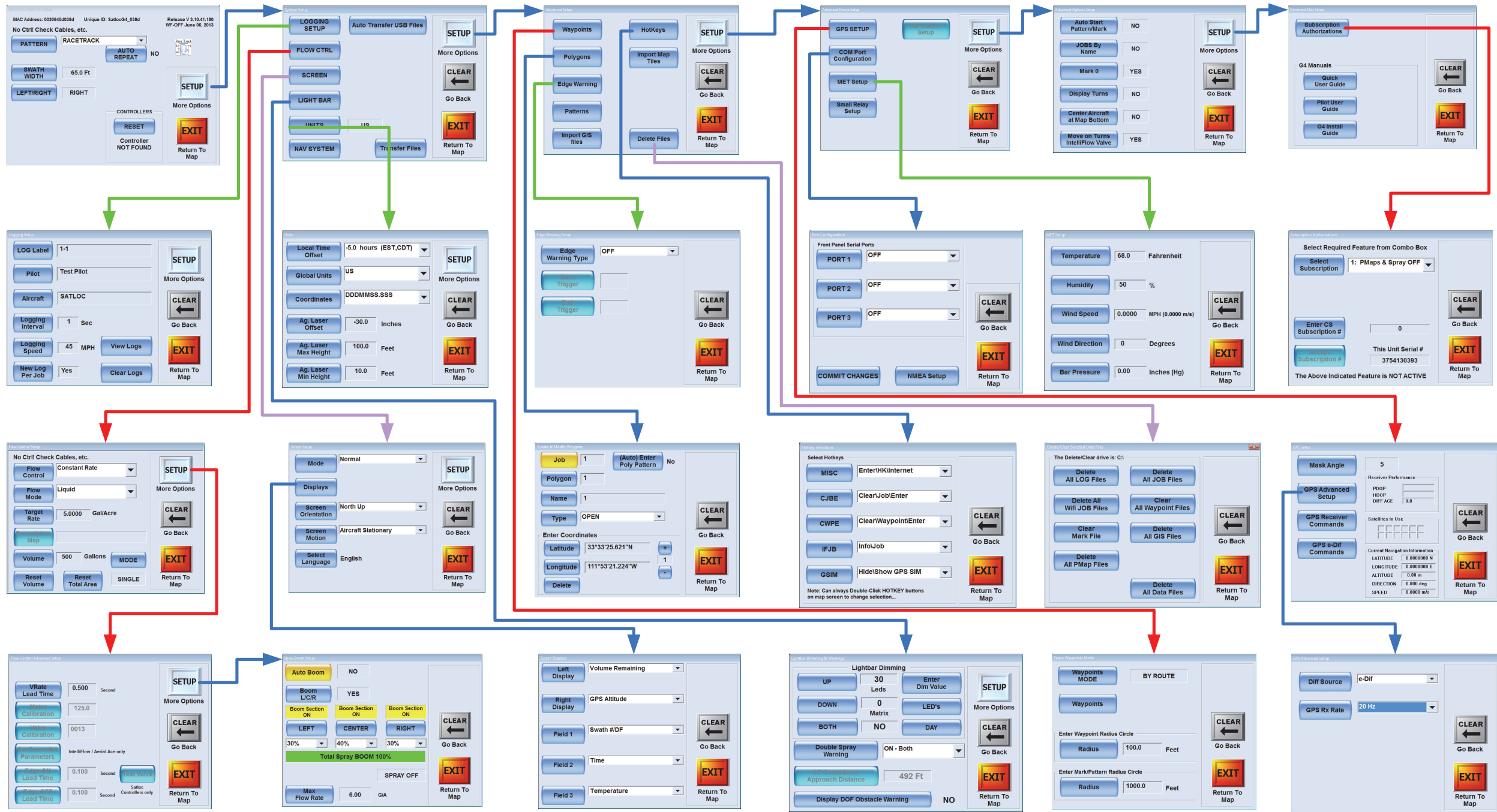
Task	Press...	HotKey (where applicable)
Shut down IntelliTrac and exit to Windows	 and hold for approximately 3 seconds	
Assign HotKeys	   	
Clear active guidance from display screen (reset the current pattern)	   	CPTE Clear\Pattern\Enter
Set A B line to current swath	   	CPTA Clear\Pattern\Adv (UP)
Toggle daytime/night-time screen colors	  	STST Set\Set
Change direction at any time while flying a pattern (from flying to the right of the A B line to flying to the left of it, or vice versa)	 	
Change your remote swath advance button to a swath decrement button	  	
Change it back to swath advance	  	
Recall a saved pattern	    	
Clear the aircraft swath mark display	  	
Clear the active prescription map from the Map screen	    	

Logs

See also "Pattern Types" on page 15.

Task	Press...
Begin logging	Logging is enabled by default and begins automatically anytime you fly above 45.0 mph. You can verify logging is enabled via the 'Logging is READY' notification in the bottom right of the Map screen. 
Start a new log	Log HQ Start New Log or KEYPAD LOG HQ Start New Log
Turn logging off	Log HQ Turn Logging Off or KEYPAD LOG HQ Turn Logging Off
Enter log details	SETUP SETUP LOGGING SETUP
View list of logs	KEYPAD INFO 0 LOG HQ or SETUP SETUP LOGGING SETUP View Logs
Delete logs	Delete individual logs... KEYPAD CLEAR ← LOG HQ ABC ↑ Delete all logs... KEYPAD CLEAR ← LOG HQ DEC ↓

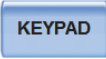
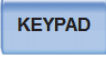
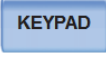
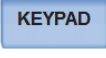
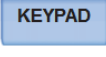
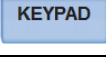
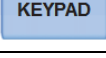
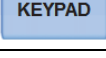
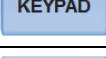
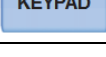
Screen Map



Routes and Waypoints

Task	Press...		HotKey (where applicable)
View all active routes (shown on the left side of the screen)—then press ROUTE repeatedly to step through each active route	KEYPAD	ROUTE 8	
View active waypoints (shown on the left side of the screen)	KEYPAD	WPT 5	
Save a waypoint by name	KEYPAD	SAVE → WPT 5 ENTER	
Save a waypoint by number	KEYPAD	SAVE → WPT 5 n ENTER	
Set (guide to) a waypoint by name	KEYPAD	SET WPT 5 ENTER	IFWY Info\Waypoint
then select a name			
Set (guide to) a waypoint by number	KEYPAD	SET WPT 5 n ENTER	
Delete a waypoint	KEYPAD	CLEAR ← WPT 5 n ENTER	
Assign a waypoint to a route	Waypoints are assigned to the current route. To change your current route while flying, press...		
	KEYPAD	ROUTE 8 ROUTE 8	
Clear waypoint guidance from the display screen (but not from memory)	KEYPAD	CLEAR ← WPT 5 ENTER	CWPE Clear\Waypoint\Enter
Edit a waypoint	SETUP	SETUP SETUP Waypoints	
then edit the desired waypoint			
Set radius	SETUP	SETUP SETUP Waypoints	
then press the waypoint Radius button			
	Enter Waypoint Radius Circle Radius100.0Feet		
Recall a route	KEYPAD	SET ROUTE 8 n ENTER	

Jobs and Polygons

Task	Press...	HotKey (where applicable)
Display all jobs with number of associated patterns and polygons	  	IFJB Info\Info
Manually create a polygon (set polygon points as you fly)	   ...	
Create/edit a polygon	  	
Delete last entered polygon point	  or 	
Save a polygon	   n 	
Clear all polygons from screen (but not from memory)	  	
Go to specific polygon	   n 	
Recall a job (all polygons)	   n 	
Save a job by name (verify JOBS By Name is set to YES in Advanced Options Setup window)	   	
Save a job by number (verify JOBS By Name is set to NO in Advanced Options Setup window)	   n 	
 WARNING: You MUST save a polygon to a job or it will be deleted when your reboot IntelliTrac.		

Auto-Applying A|B Lines to a Polygon

Task

Press...

First, load a job that has polygons.

KEYPAD

SET

JOB
9

n

ENTER

Then, have IntelliTrac apply an A|B line on the side of the lowest numbered polygon that will result in the least number of swaths.

KEYPAD

ENTER

POLY
6

PATTERN
1

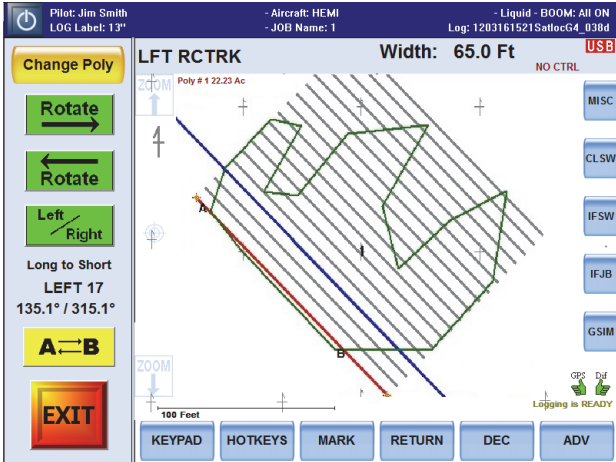
- Press **Change Poly** to toggle through the job's other polygons.
- Press **Rotate** to rotate the A|B line around the polygon sides (in longest to shortest order).
- Press **Left/Right** to switch the array.

Change Poly

Rotate

Rotate

Left
Right



Transferring Data

Task

Press...

Transfer data between the G4 hard drive and USB drive
You can transfer logs, jobs, marks, waypoints, and pilot settings.

SETUP

SETUP

Transfer Files

Transfer all log files only
This allows you to quickly transfer all log files directly from the G4 hard drive to a USB drive without having to individually select each log file in the File Transfer window.

SETUP

SETUP

Transfer Files

Transfer All Logs to USB

Marks

Task	Press...	HotKey (where applicable)
Save a mark (1-9)	MARK n or KEYPAD MARK 4 n	
Save a mark (10-99)	KEYPAD SAVE → MARK 4 n ENTER	
Display mark information—marks used, job name, log associated with mark	KEYPAD INFO 0 MARK 4	IFMK Info\Mark
Recall a mark	RETURN n or KEYPAD SET MARK 4 n ENTER	
Return to last spray point (recalls all information from last sprayed job)	KEYPAD RETURN 7 INFO 0	
Delete a mark	KEYPAD CLEAR ← MARK 4 n ENTER	

Flow Control

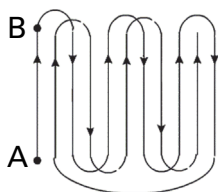
Task	Press...	HotKey (where applicable)
Access Flow Control setup	KEYPAD INFO 0 INFO 0 or SETUP SETUP FLOW CTRL	IFIF Info\Info
Toggle between full boom and half boom setting	KEYPAD SET LEFT RIGHT 3	
You must first enable Boom Shutoff – Left or Right in the Spray Boom Setup window (press SETUP > SETUP > FLOW CTRL > SETUP > SETUP).		

Patterns

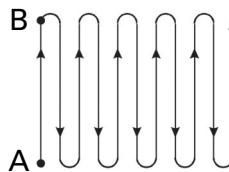
Task	Press...	HotKey (where applicable)
Go to swath number n	KEYPAD SET SWATH 2 n	
Show which swaths have NOT been sprayed	KEYPAD INFO 0 SWATH 2	
Select a pattern (press PATTERN repeatedly to cycle through patterns)	KEYPAD PATTERN 1	
Change pattern direction	KEYPAD LEFT RIGHT 3	
Make closest swath the current swath (for Open patterns only)	KEYPAD SET SWATH 2 ENTER	
Advance/decrement swath (if not using remote swath advance)	DEC or ADV or KEYPAD then ABC ↑ or DEC ↓	

Pattern Types

Patterns are open type (unlimited swaths) or closed type (swaths limited by defined field width). Patterns with a C point are closed patterns.

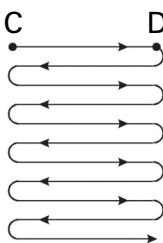
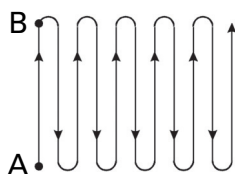


Back-to-Back Skip (BKBKS)

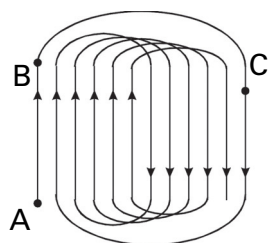
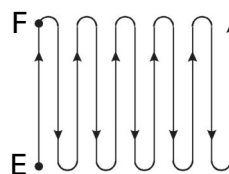


Back-to-Back (BK-BK)

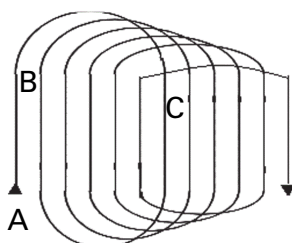
Press  to switch from odd to even swaths.



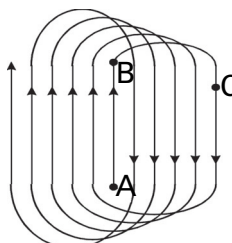
Multi Back-to-Back (MB2BK)



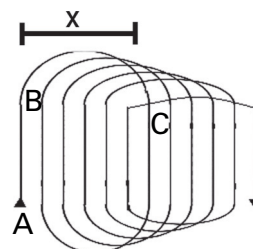
Racetrack



Quick Racetrack

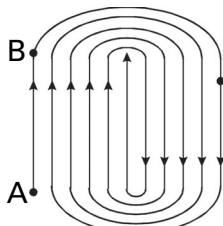


Reverse Racetrack

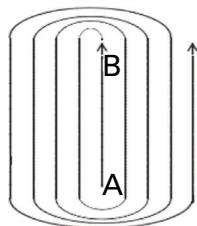


QuickTrack X

(X = no. swath or fixed distance - select at prompt)



Squeeze



Expand

Hot Keys

Hot Key Name	Hot Key Text	Function
Clear\Pattern\Enter	CPTC	Clears the current pattern from the screen
Clear\Pattern\Adv (UP)	CPTA	Change (move) pattern to current line and change swath as required
Clear\Swath	CLSW	Clears the spray information from the screen
Clear\Job\Enter	CJBE	Clears the current job information from the screen
Clear\Job\Clear	CJCL	Displays the Jobs By Name List window where you can delete a job
Clear\Waypoint\Enter	CWPE	Clears the current waypoints from the screen.
Clear\Route\Enter	CRTE	Clears the current route information from the screen
Clear\Clear	CLCL	Exit IntelliTrac/shut down Windows or exit IntelliTrac/go to desktop
Clear\Tracks	CLTK	Turn ON/OFF flight TRACKS (Turns) on Map screen
Start\New\LOG	SLOG	Closes the open log (if a log was open) and starts a new log
Poly\Poly	PYPY	Enters polygon creation mode
Enter\Poly\Pattern	EPYP	Enters 'automatic swath' mode
Enter\Zoom	ZOOM	Displays the Zoom/Pan window
Enter\EDif	EDIF	Displays the e-Dif Commands window, where you configure e-Dif
Enter\AGDisp Model	DISP	Shortcut to AgDisp (Drift) modeling window
Enter\METData	METD	Displays the MET Setup window to edit meteorological data
Enter\FLOW\CAL	FCAL	Shortcut to Flow CAL window
Enter\HK\Internet	MISC	Displays/hides HotKeys, Internet, Misc tabs (over the Data area)
Enter\XM Radio\Weather	XMRW	Displays the XM Radio window
Return\Mark0	RTM0	Return to the Zero mark
Info\Setup	IFSP	Displays the IntelliTrac Setup window (first Setup window)
Info\Info	IFIF	Displays the Flow Control Setup window
Info\Job	IFJB	Displays the Jobs By Name List window (view job list or load a job)
Info\Swath	IFSW	Displays the Unsprayed Swaths window
Info\Pattern	IFPT	Displays the Pattern Options window
Info\Mark	IFMK	Displays the Marks window
Info\Waypoint	IFWY	Displays the Waypoints By Name window
Set\Set	STST	Toggles display between Normal (day) mode and Dark (night) mode
Set\Swath\Enter	SSWE	Sets current swath as 'swath 1'
Set\Pattern\Adv (UP)	SPTA	Advances current A B C pattern to new position per Left/Right Offset
Set\Pattern\Dec (DOWN)	SPTD	Decrements current A B C pattern to new position per Left/Right Offset
Set\Pattern\1	PAT1	Recalls Pattern 1 from current job
Set\Pan\ON/OFF	PANO	Toggles between Pan Mode ON and Pan Mode OFF
Set\Zoom\MAN/AUTO	ZOMA	Cycles between Manual, Manual Locked, and Auto zoom modes
Set\AIMMS20\ON/OFF	AIMS	Shortcut to turn ON/OFF AIMMS20 device for AgDisp (Drift)
Set\Preset Scale Ratio	SRAT	Shortcut to return to Preset Scale Ratio and ZOOM defaults
Hide\Show GPS SIM	GSIM	Shortcut to HIDE/SHOW the Internal Simulator (when active)
Auto\USB\Files	AUSB	Shortcut to copy file from USB to C:\..Data folder
Forward\Pattern	FWPT	Shortcut to advance Pattern Type before designating A B
Reverse\Pattern	RVPT	Shortcut to decrement Pattern Type before designating A B