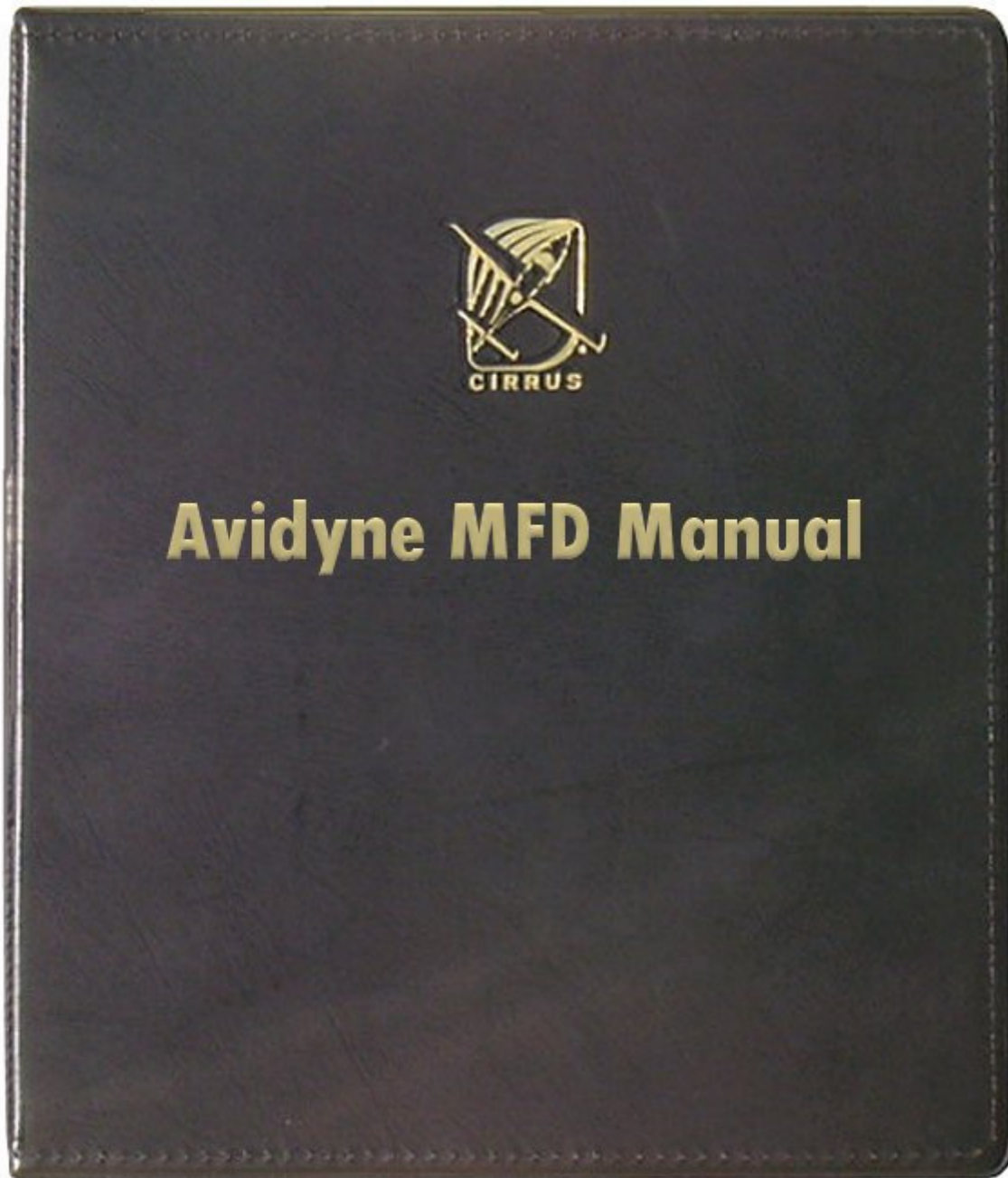


Multifunction Display [MFD]



Standard Disclaimer

This manual is intended for recreational use in Flight Simulation ONLY and may NOT be used in any Real World Aviation application. The authors are not responsible for errors or omissions.

Multifunction Display [MFD]

The Eaglesoft Development Group Avidyne Flightmax Entegra Multifunction Display...

Every effort has been made to faithfully simulate the Avidyne Flightmax Entegra Multifunction Display within the limitations of Microsoft Flight Simulator 2004. We believe that our efforts will provide years of enjoyment for owners of our Cirrus SR20 G2.



The Avidyne Flightmax Entegra Multifunction Display Manual pages will help experienced or novice flight simulation pilots become familiar with the operation of the Avidyne Flightmax Entegra Multifunction Display.

Note: For Real World information and free Real World PDF Documents please visit the Avidyne Site from the following URL. <http://www.avidyne.com/techpubs.shtml>

Product Support: Please Register and Login to our **Support Forums** for product support at the following URL. <http://www.eaglesoftdg.com/forum/>

Multifunction Display [Introduction]

The Flight Max Entegra MFD provides a pictorial view of your flight situation based on input from your GPS Navigation system. Flight Max Entegra MFD uses onboard database information for mapping Navigation Data such as nearby Airports, VORS, NDBS, Intersections, Airspaces, Special Use Airspaces, as well as Terrain, Water and Obstacle Databases. The Flight Max Entegra MFD also provides the following Standard and Optional Features.

Display of Normal and Emergency Checklists [Modeled]

Display of Engine Instruments with EMAX Lean Assist [Modeled]

Display of Navigation Database with Procedure Turns, and Holding Patterns [Modeled]

Display of Traffic Information via simulated L3 Skywatch. TAS Traffic Awareness System [Modeled]

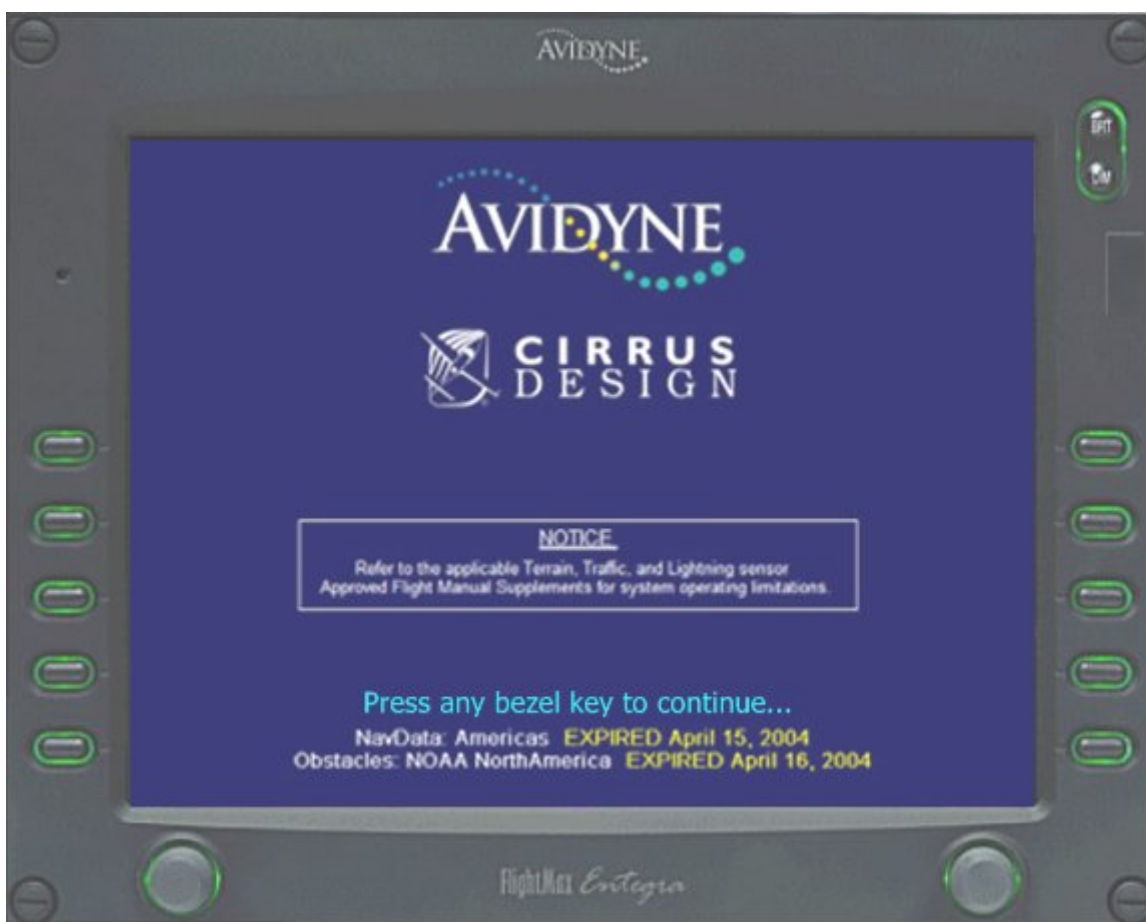
Display of TAWS Terrain when interfaced with EGPWS [Optional, Not Modeled]

Display of Terminal Procedure Charts when CMAX Enabled [Optional, Not Modeled]

Display of Lightning Information from WX 500 Lightning Sensor [Optional, Not Modeled]

Display of Weather/Flight Restriction info via Broadcast Datalink Receiver [Optional, Not Modeled]

MFD startup is automatic once power is applied via the Avionics Switch on Main Power Panel. The system performs a brief hardware test then initializes its functions. After initialization, the system presents a title screen and a [Press any bezel key to continue message](#).



Multifunction Display [Operation]

MFD Operational Controls located on the MFD bezel allow quick and intuitive access to information when needed.



1. Brightness Control [BRT/DIM]

This switch controls the display brightness of the MFD. When the system is powered up, the default brightness is set at 75%.

2. Left Knob [Page Control]

The left knob toggles the Main Page Display selection of Map, Trip, Nearest, Checklists, Setup, and Engine pages by clicking either side of the knob. **Left/Right Buttons** on bezel allow selection/toggle thru the specific selection menu.

3. Menu Display [Active Menu]

Current Active Page selection is highlighted in [Cyan](#) as selected by left knob.

4. Right Knob [Range/Cursor Control]

The right knob is used for Map Range selection by clicking either side of the knob. When other pages are in view right knob provides selection control.

5. Message Bar [Traffic Alert]

The message bar informs the pilot about critical as well as routine information from the MFD. The message bar can display only one message at a time and this flight simulation version is limited to Traffic messages and acknowledgement.

Multifunction Display [Operation]

6. Data Blocks [Left Block]

Allows display of Navigation and Engine/Fuel information.

7. Data Blocks [Right Block]

Allows display of Navigation and Engine/Fuel information.

8. Emergency Checklists [Always Available]

Emergency Checklist Line Select key is always active to provide quick access in the event of an Emergency.

Multifunction Display [Line Select Keys]



1. Line Select Keys [Left/Right]

Left Line Select Key provides access to sensor modes and pages.

2. Line Select Keys [Left/Right]

Right Line Select Key provides access to mapping functions and map view controls.

Multifunction Display [Sensor Functions]

Traffic Button cycles through traffic sensor modes. See page 9 for more information on Traffic Mode.

Lightning [Not Modeled]

Multifunction Display [Map Functions]

View Button orients map for either Track/Heading Up or North Up. FORWARD and CENTER views are oriented with Track/Heading Up. North Up orients the map to True North with Ownship symbol rotated to show Track/Heading.

Declutter Button controls the four levels of navigation data detail from least to most.



Base/Terrain Map Button [Not Presently Modeled, scheduled for possible future development]

Range Control controls the map range from 1 NM to 500 NM.

Multifunction Display [Map Page Symbology]

The MFD “Moving Map” presentation depicts aircraft position in relation to flight plan, nearby Airports, VORs, NDBs, Intersections and Approaches when **Active in the GPS Navigator**.



Multifunction Display [Map Page Symbolology]

- 1. Data Blocks [Left/Right]** Allows display of Navigation and Engine/Fuel information.
- 2. Sensor Status Box [Not Modeled]** Allows display of Lightning sensor status.
- 3. Heading/Track Indicator** Three triangles around the compass rose provide Actual Track, Desired Track, and Heading indications. The H/T Block provides digital readout of the current Heading, or Actual Track. Map orientation is indicated in the triangle to the right of the H/T Block.



- 4. Compass Rose [Range Ring]** Allows display of 360 degree or 120 degree compass circle or arc and also displays current range setting. The range number is the distance from the airplane symbol the compass arc.

- 5. Obstacles [TAWS Not Modeled]**

- 6. Terrain Scale [TAWS Not Modeled]**

- 7. Special Use Airspaces [Not Modeled in MFD but available in GPS Navigator]**

Airport Runway Diagrams [Not Modeled in MFD but available in GPS Navigator]

Flight Plan/Direct To The Active Flight Plan or Direct To is displayed on the “Moving Map” portion of the MFD. Note: This Flight Simulation version displays flight plans in default FS9.PLN format and in Direct To format made **Active in the GPS Navigator**. The current flight plan leg is displayed in **magenta** and the remaining legs are displayed in white.

When an approach procedure is selected and made **Active** in the GPS Navigator, all approach segments including Holds, DME arcs, Procedure Turns, and Missed Approaches are displayed.

Traffic Indications Shows traffic symbol relative to current position and includes relative altitude [when available] with respect to airplane symbol.

Symbol	Type	Meaning
	Traffic Alert (TA)	Traffic that is within the alert zone defined by the traffic sensor.
	Proximate Traffic	Traffic that is not within an alert zone, but is close to your position.
	Other Traffic	Traffic that is detected by the traffic sensor, but determined not to be a current threat.

Ownship Symbol Shows the aircraft position in relation to the “Moving Map” and the selected view.



Lightning Indications [Not Modeled]

Interstate Highways [Not Modeled]



Multifunction Display [Traffic Mode]



Traffic Indications Shows traffic symbol relative to current position and includes relative altitude [when available] with respect to airplane symbol.

When a traffic advisory [TA] is detected the MFD reports a Traffic Alert message in the Message Bar. Acknowledging the [TA] by clicking button adjacent the Message Bar displays a dedicated Traffic Page to give the pilot maximum traffic situational awareness. This is a specially configured map page with the following settings.

View Center With heading or track up.

Range 5 NM.

Base Map No terrain or other boundaries.

Declutter No symbol or airspace depictions.

Lightning Not displayed.

Flight Plan Displayed.

Up to 5 non bearing intruders [traffic without valid bearing] are displayed.

The [TA] message will be automatically removed when the threat is removed or the intruder is no longer present.

Multifunction Display [Traffic Mode]



Exit Traffic Button Restores Map to previous configuration.



Traffic Alert information is displayed in the Message Bars as in the example above.

1. Relative bearing of target
2. Range in NM
3. Relative Altitude Example -564 Feet is 564 Feet below your aircraft.

Available modes for Traffic Awareness System are Normal, Below, Above, Unlimited, and Display Off

Note: Traffic information is provided to the pilot as an aid to visually acquire traffic. Pilots should maneuver their aircraft based ONLY on ATC guidance or positive acquisition of conflicting traffic.

Multifunction Display [Trip Page]

The **Trip Page** information is continuously updated during flight. Distance and Time values are updated during each new positive fix from GPS Navigator. Route legs advance with each new waypoint message. The **Trip Page** shows the current and remaining legs in the flight plan and other data received from the GPS Navigator. If the flight plan doesn't fit on the screen an "ellipses" (...) is shown on the next to last line. The Destination line is always displayed. The **Trip Page** displays default FS9 flight plan .PLN files as well as Direct To plans entered into the GPS. A No Flight Plan Available message is shown if a flight Plan is not loaded into the GPS.



1. Current Ground Speed and Track

2. Flight Plan information from GPS. Active waypoint shown in **Magenta**.

Displayed Data:

WPT Waypoint ID as received from GPS.

BRG Bearing to current waypoint.

TRK Desired track to waypoint.

NM Cumulative great circle distance of each flight plan leg in nautical miles.

ETE Cumulative estimated time enroute to waypoint in HH:MM format for each leg at current groundspeed.

ETA Estimated time of arrival to waypoint in HH:MM formatted for local time.

Fuel (Gal.) Available with engine and fuel monitor function. Displays remaining fuel at each waypoint in gallons.

Multifunction Display [Trip Page]

3. **Course Deviation Indicator [CDI]** Shows lateral distance [cross track deviation] from desired course, providing continuous navigation reference when viewing trip page.

4. **Local and UTC Time** in HH:MM:SS using a 24 hour clock format.

5. **Destination Airport Information** Provides quick access to destination airport information when available. Note: Runway layout display not modeled.

GS 000 kts TRK 293 °			Time 16:02:37 UTC 22:02:37
Airport Information for KMDW			
To:	Chicago-Midway Chicago, Illinois Elev 620 FT	Public	
Dest:		Frequencies	
		118.40 -- Approach	
		126.05 -- Approach	
		132.75 -- ASOS	
		132.75 -- ATIS	
		121.85 -- Clearance	
		135.20 -- Approach	
		118.40 -- Departure	
		126.05 -- Departure	
		121.65 -- Ground	
		119.45 -- Approach	
		118.70 -- Tower	
		122.95 -- Unicom	
		109.90 -- ILS 13C	
		109.90 -- ILS 31C	
		111.50 -- ILS 04R	
	Runways		
	13C-31C 6519 x 150 FT, Concrete		
	04R-22L 6443 x 150 FT, Asphalt		
	04L-22R 5508 x 150 FT, Asphalt		
	13L-31R 5140 x 150 FT, Asphalt		
	13R-31L 3856 x 60 FT, Concrete		
<div>Map Trip Nrst Chklist Setup Engine</div>			<div>Back to Trip</div> <div>Scroll</div>

Multifunction Display [Trip Approach Page]



When an **Active Approach** is loaded in the GPS, the trip page appends the approach to the flight plan and displays **Active Leg** in Magenta.



Multifunction Display [Nearest Airport Page]

Nearest Airports				
ID	BRG	NM	Freq	Name
KIGQ	044	5.9	122.70	Lansing Mun
C56	205	6.0	123.00	Sanger
2IL9	253	7.4	000.00	Meadow Creek
89LL	214	8.0	122.80	Norman
03IL	245	9.5	000.00	Wix
C18	273	9.7	122.80	Frankfort
IL29	186	10.2	000.00	Von Alvens Airview
05C	073	10.5	123.00	Griffith-Merrillville
0II8	142	10.9	000.00	Sutton's Field
7ILO	170	12.1	000.00	Mussman
KGYG	047	13.0	125.60	Gary/Chicago
1C2	273	13.3	123.00	Howell-New Lenox
IN90	153	14.1	000.00	Wietbrock
55IL	218	14.5	000.00	Brandt
C97	160	15.2	122.90	Lowell
90IL	170	16.5	000.00	Johnson
3HO	072	17.0	122.80	Hobart-Sky Ranch
LL24	205	17.3	000.00	Sunset Acres
58IL	218	17.4	000.00	Spangler
19LL	226	18.4	000.00	Neiner

Nearest Airport Page displays a scrollable list of Nearest Airports with an Airport Info Button providing specific Airport Information and a Filter/Show All Button to filter Airport Information display according to Setup Page.

Multifunction Display [Nearest NDB Page]

Nearest NDBs				
ID	BRG	NM	Freq	Name
GY	065	14.5	236.0	GARIE (GARY)
MX	349	16.4	248.0	KEDZI (CHICAGO)
HK	327	17.7	332.0	ERMIN (CHICAGO)
IK	205	30.1	272.0	LUKOW (KANKAKEE)
IA	346	31.6	414.0	TAFFS (CHICAGO)
VP	092	33.4	212.0	SEDLY (VALPARAISO)
ME	329	34.8	350.0	DEANA (CHICAGO)
ME	329	34.8	350.0	DEANA (CHICAGO)
RZL	148	37.2	362.0	RENSSELAER
IUL	087	38.1	356.0	LA PORTE
MGC	068	38.7	203.0	MICHIGAN CITY
OR	334	39.1	394.0	CHSTR (CHICAGO)
OH	335	39.4	368.0	LEAMA (CHICAGO)
DTG	241	42.0	344.0	DWIGHT
OIX	264	55.9	266.0	OTTAWA
DKB	300	56.0	209.0	DEKALB
CPB	105	57.7	391.0	CULVER
MCX	139	59.9	377.0	WHITE CO. (MONTICELLO)
UG	352	60.0	379.0	WAUKE (CHICAGO/WAUKEGAN)
SB	077	64.4	341.0	MISHA (SOUTH BEND)

Nearest NDB Page displays a scrollable list of NDB [Non Directional Beacons]

Multifunction Display [Nearest VOR Page]

Nearest VORs				
ID	BRG	NM	Freq	Name
CGT	044	3.0	114.20	CHICAGO HEIGHTS
EON	213	14.6	113.20	PEOTONE
IKK	204	26.2	111.60	KANKAKEE
JOT	278	31.8	112.30	JOLIET
ORD	337	33.4	113.90	CHICAGO-O'HARE
DPA	307	41.2	108.40	DUPAGE (CHICAGO)
OXI	102	44.5	115.60	KNOX
OBK	342	47.2	113.00	NORTHBROOK
RBS	205	59.0	116.80	ROBERTS
BVT	156	60.4	115.10	BOILER (LAFAYETTE)
GIJ	073	60.8	115.40	GIPPER (NILES)
PNT	233	63.8	109.60	PONTIAC
ENW	348	68.9	109.20	KENOSHA
DNV	178	70.9	111.00	DANVILLE
GSH	087	71.4	113.70	GOSHEN
HRK	354	77.7	117.70	HORLICK (RACINE)
ELX	058	77.9	116.60	KEELER
BUU	338	79.0	114.50	BURBUN (BURLINGTON)
GUS	126	82.9	116.50	GRISSOM (PERU)
BMI	225	84.2	108.20	BLOOMINGTON

Nearest VOR Page displays a scrollable list of VOR [Very High Frequency Omni Bearing]

Multifunction Display [Nearest Intersections Page]

Nearest Intersections		
ID	BRG	NM
HEFER	338	4.1
MATTI	280	5.0
MA044	045	5.1
COKED	129	5.3
ERRIK	046	5.5
GLINK	047	7.8
OFFIT	276	8.0
VUREN	226	8.1
MOPER	251	8.2
JEEFF	045	8.8
CHIPR	067	9.8
HILLS	021	9.9
IGECY	318	10.2
COFEY	008	11.2
GLEAM	008	11.3
MABIW	048	12.0
ZABOR	006	12.3
NECJU	308	12.3
LOOTH	079	12.5
FORDD	004	12.6

Nearest Intersections Page displays a scrollable list of Intersections.

Multifunction Display [Engine Instruments/Engine Page]

When equipped with **Engine Instrumentation** capability, the MFD provides an Engine Page which is accessed by lower left knob. The Engine Page is used to display health and performance status of the aircraft engine.



Multifunction Display [Engine Instruments/Engine Page]**Gauges**

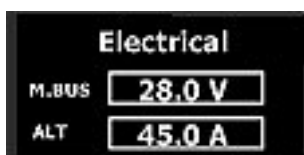
RPM Displays engine speed in revolutions per minute.

Manifold Pressure Indicates current intake manifold pressure.

Percent Power Indicates the calculated percent of maximum power currently produced by the engine. The MFD calculates this reading based on RPM, Manifold Pressure, Outside Air Temperature, and Fuel Flow.

Oil Temperature Indicates current Oil Temperature in degrees Fahrenheit [F].

Oil Pressure Indicates current Oil Pressure in pounds per square inch [PSI].

Electrical

M. BUS Indicates the current voltage of the main bus in Volts.

ALT Indicates the current charge or discharge of the aircraft battery in amperes. [Amps]

Outside Air Temperature

OAT Indicates the ambient air temperature to be displayed by the pilots choice either in degrees Fahrenheit [F] or degrees Celsius [C].

Multifunction Display [Fuel Page]

Fuel Usage

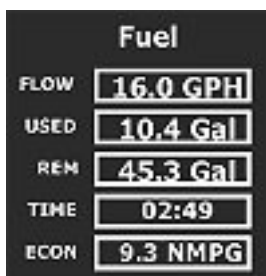


Fuel Initialization Page When Initial Fuel button on MFD is pushed the pilot should input the amount of fuel added to the aircraft. Buttons for Fuel Full and Fuel to Tabs are available to quickly set commonly used fuel amounts. In addition the right knob may be used to fine tune the amount of fuel added. [Not Modeled in simulator version]

When the desired amount of fuel has been entered, pressing the **Fuel Done** button will exit the Fuel Initialization Page.

Multifunction Display [Fuel Page]

Fuel Usage



The **MFD** provides Fuel Flow, Fuel Used, Fuel Remaining, Time Remaining, and Fuel Economy information.

FLOW Indicates the current fuel flow in gallons per hour [GPH].

USED Indicates the total amount of fuel used since the last engine start.

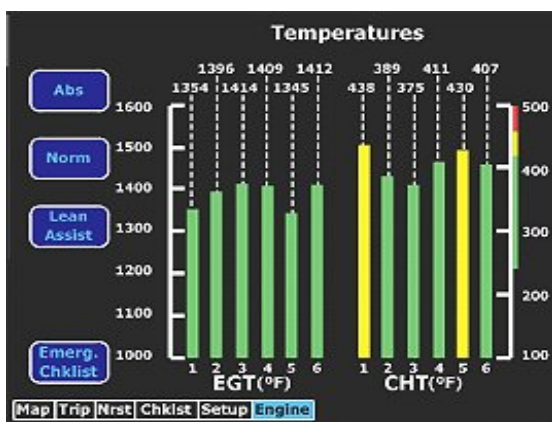
REM Indicates the total amount of fuel remaining in gallons. This calculation is based on Starting Fuel amount entered by pilot on Fuel Initialization Page and Fuel Flow.

TIME Indicates the amount of time remaining before the total usable fuel on board will be consumed. This calculation is based on Starting Fuel amount entered by pilot on Fuel Initialization Page and Fuel Flow. This value is only displayed when the GPS ground speed is greater than 50 knots.

ECON Indicates the current fuel economy in nautical miles per gallon [NMPG]. This calculation is based on the Fuel Flow and the groundspeed as reported by the GPS. This value is only displayed when the GPS ground speed is greater than 50 knots.

Multifunction Display [Cylinder Temperatures]

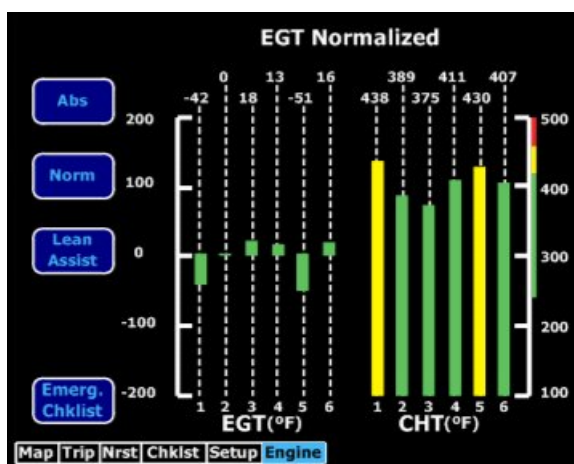
Exhaust Gas Temperatures



Exhaust Gas Temperature [EGT] Indicates the Exhaust Gas Temperatures [EGT] of each cylinder in degrees Fahrenheit [F] as a bar graph. The individual [CHT] of each cylinder is also displayed as a numeric indicator above each bar. Up or Down Trend arrow will also appear below the numeric indicator to indicate whether a cylinders [EGT] is rising or falling.

These indicators are used in combination with the **Lean Assist** function to aid the pilot in leaning the aircrafts engine for desired performance.

Cylinder Head Temperatures



Cylinder Head Temperature [CHT] Indicates the Cylinder Head Temperatures [CHT] of each cylinder in degrees Fahrenheit [F] as a bar graph. The individual [EGT] of each cylinder is also displayed as a numeric indicator above each bar. Up or Down Trend arrow will also appear below the numeric indicator to indicate whether a cylinders [EGT] is rising or falling.

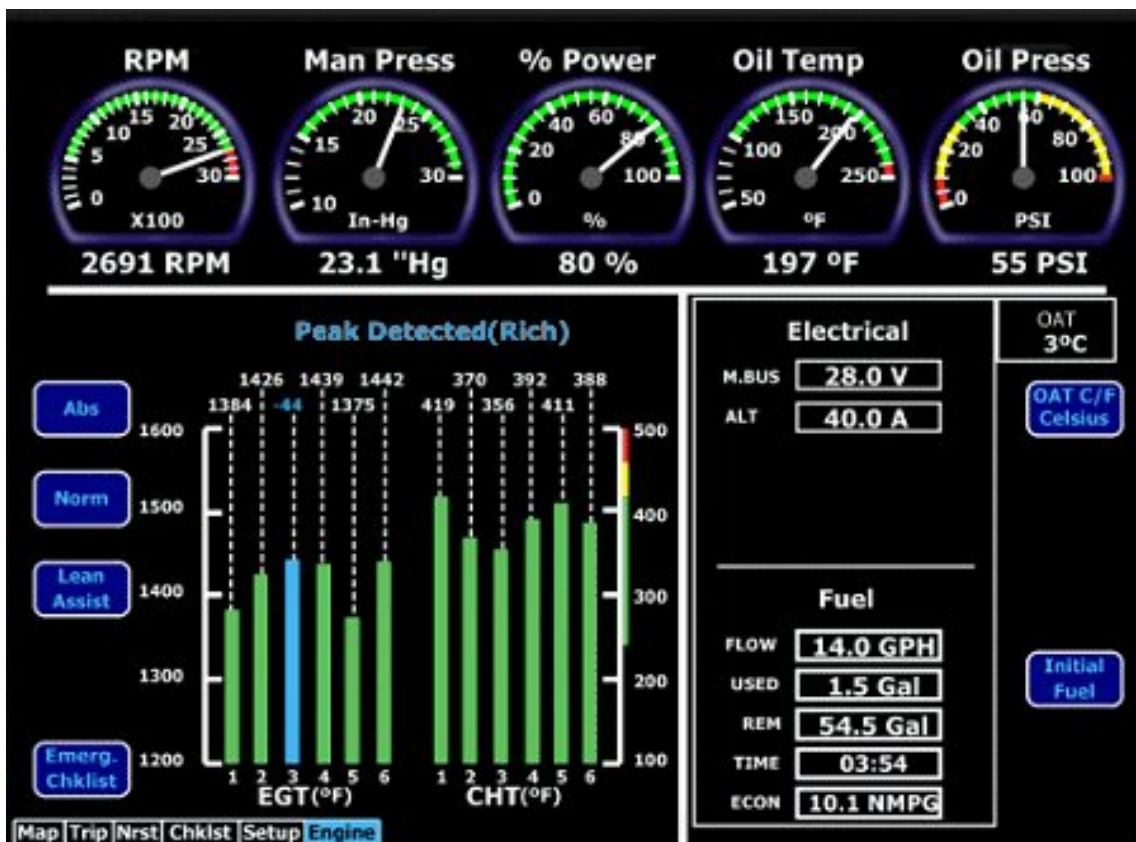
Absolute Selects the Absolute mode for [EGT] display. Absolute mode is the default display mode, which indicates the current [EGT] for each cylinder.

Normalize Selects the Normalize mode for [EGT] display. Upon activation the display will establish all of the current [EGT's] at a zero point

In **Normalize** mode, the bar graphs will indicate overall changes in [EGT] rather than displaying the actual temperature values as in Absolute mode.

Multifunction Display [Lean Assist]

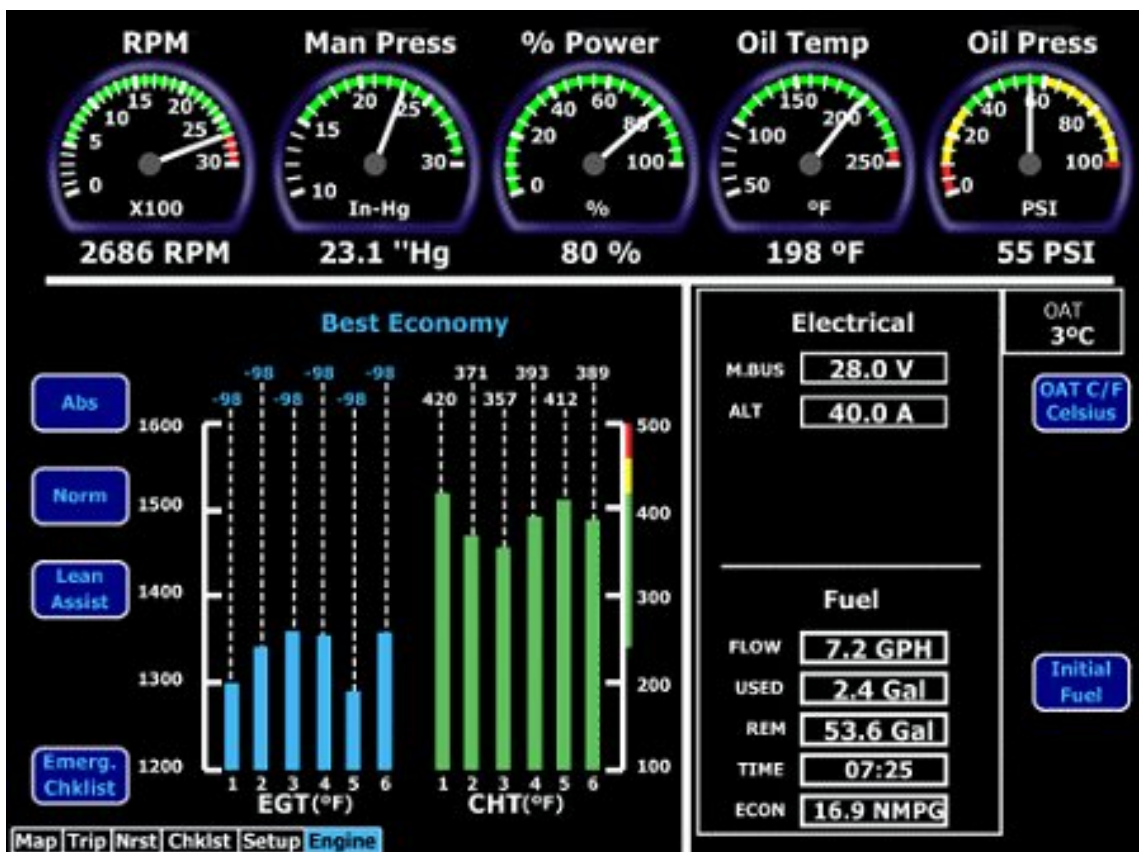
Lean Assist The MFD is equipped with a Lean Assist function which allows pilots to set the optimum mixture for various operating conditions. The MFD will automatically detect whether the pilot is leaning for best power or best economy and provide visual messages to guide the pilot toward the correct fuel mixture setting.



Leaning for Best Power

1. Lean Assist is accomplished by pressing the **Lean Assist** button and smoothly leaning the mixture control.
2. The MFD will announce **Looking for First Peak** at the top of the temperatures section of the display.
3. When leaning for best power, the final mixture setting is based on first cylinder to peak. As mixture is leaned look for a rise in [EGT]
4. As cylinder #3 peaks the display will announce **Peak Detected** and the #3 cylinder bar graph will turn **Cyan**. This example assumes that #3 cylinder is the first to peak.
5. At this point the pilot should begin to richen the mixture.
6. As the mixture is richened the display will announce **Looking for Peak Rich** then **Peak Detected (Rich)** as it determines the peak temperature. Finally it will display **Best Power** when the optimum best power mixture is achieved.
7. Lean Assist mode is displayed in upper left data block to provide a quick look at current settings.
8. Press Normalize or Absolute button to exit Lean Assist page.

Multifunction Display [Lean Assist]

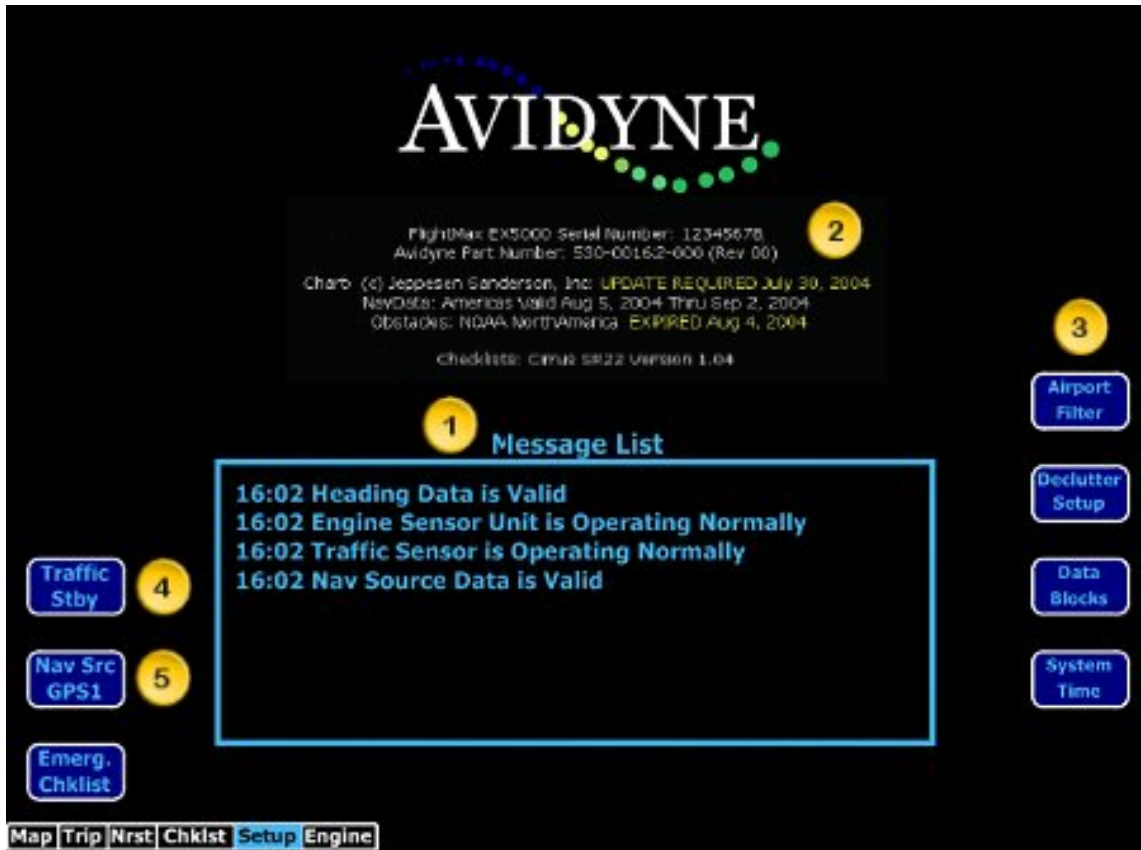


Leaning for Best Economy

1. Lean Assist is accomplished by pressing the **Lean Assist** button and smoothly leaning the mixture control.
2. The MFD will announce **Looking for First Peak** at the top of the temperatures section of the display.
3. As the [EGT] rises the first cylinder will reach peak [EGT] followed by the second cylinder. Continue to slowly lean the mixture.
4. As the third cylinder peaks the display will announce **Looking for Last Peak**.
5. When leaning for best economy, the final mixture setting is based on the last cylinder to peak. As the mixture is leaned further the last cylinder will peak and the MFD will announce **Last Peak Detected**.
6. As the mixture is leaned further the display will announce **Best Economy** when the optimum best economy mixture is achieved.
7. Lean Assist mode is displayed in upper left data block to provide a quick look at current settings.
8. Press Normalize or Absolute button to exit Lean Assist page.

Multifunction Display [Setup/Checklists]

From the Engine pages, turning the left knob one detent to the left will display the Setup Pages which are used to set user preferences and sensor settings. The flight simulation version has a limited set of options. Note: "For display only" means no user changes available. Note: Option #3 menu selection is available from this page.



1. Message List Indicates sensor status and a record of messages displayed in the message bar. For display only.

2. Software Build Number For display only.

3. Setup Menu Line select keys used for selection of specific setup pages including Airport Filter, Declutter Settings, Data Block Editing, and System Time Pages.

4. Traffic Standby Switches Traffic sensor into standby mode only while on the ground. To view Traffic while on the ground press Traffic button on Map Page. Note: AI Traffic is displayed on Map Page. Multiplayer Traffic display is still under development. Note: For display only.

5. Nav Src Swaps between GPS1 and GPS2 as to which unit is providing position information and flightplan data to the moving map. Note: Limited to GPS1 due to flight simulator provision for only one GPS. For display only.

Multifunction Display [Setup/Checklists]

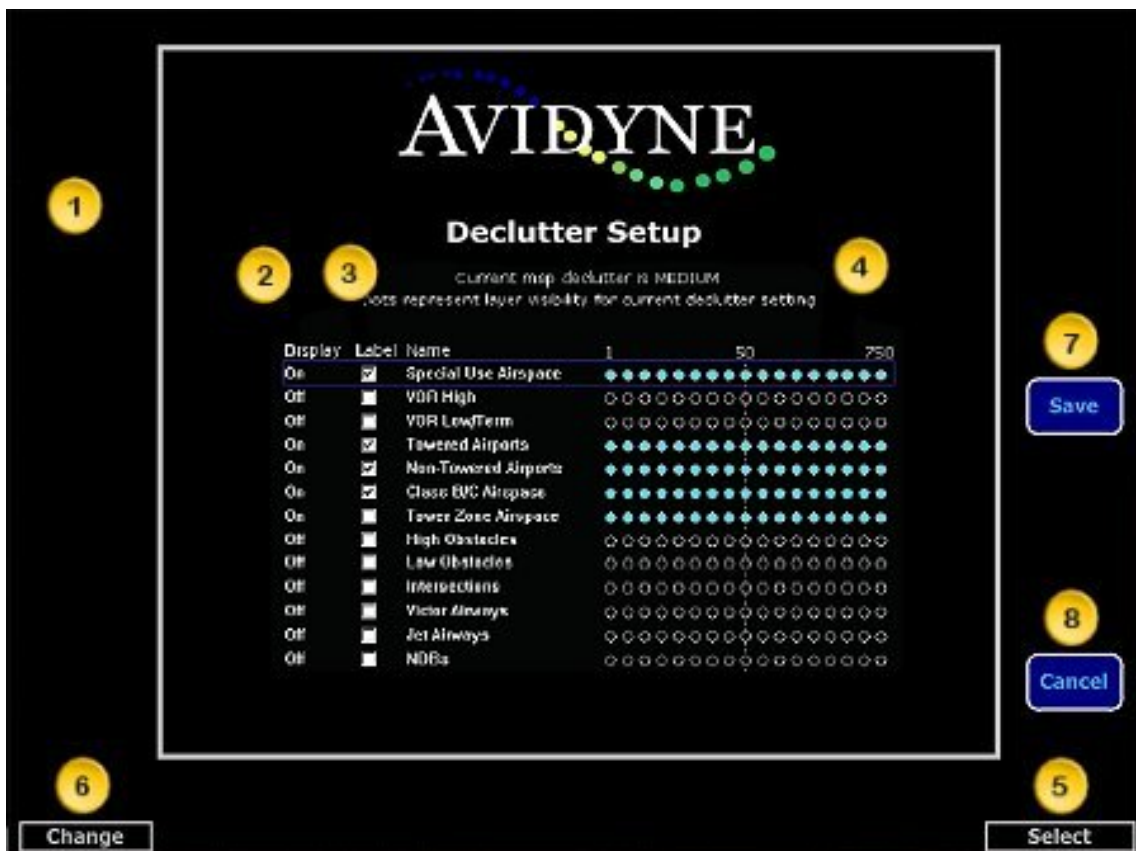
The Airport Filter setup page allows filtering of nearest airport searches from the database. You can select Towered or Non Towered Airports and Surface types. The Values selected on this page dictate the types of airports shown on the Map Page. Note: "For display only" means no user changes available. Note: Option #7 is available from this page.



1. **Airport Type** Select Towered, Non Towered or both. For display only.
2. **Surface** Select Hard, Soft or Water. For display only.
3. **Minimum Runway Length** Select from 2000 to 7000 feet. For display only.
4. **Selection Control** Use right knob to move blue field cursor. For display only.
5. **Change Control** Use left knob to change the value or status of a selected field. For display only.
6. **Save** Saves settings and returns to main setup page. For display only.
7. **Cancel** Cancels any changes and returns to main setup page.

Multifunction Display [Setup/Checklists]

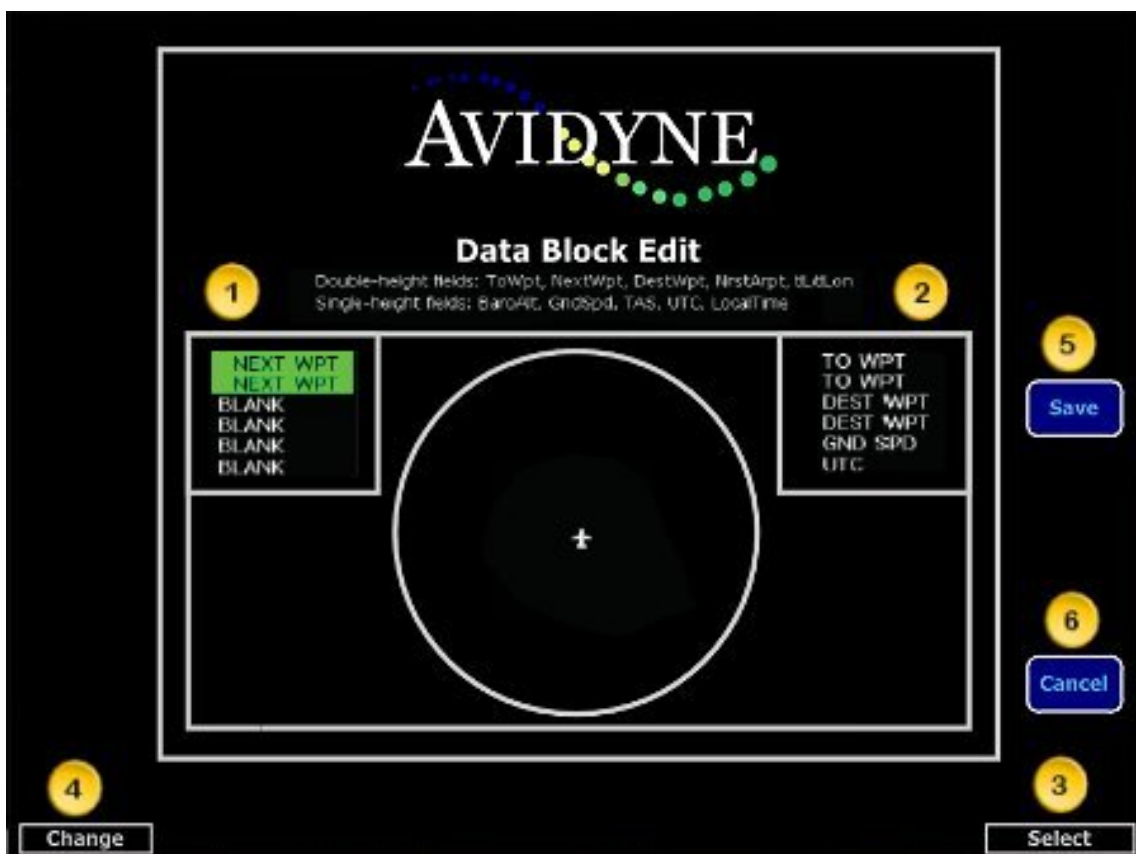
The Declutter setup page is used to define the navigation symbols and default display settings for the Declutter button. Individual items may be selected for display or a pre defined group of items may be selected from the IFR or VFR defaults. Note: "For display only" means no user changes available. Note: Option #8 is available from this page.



- 1. IFR/VFR Defaults** Sets the declutter settings to predefined factory settings based on typical usage. For display only.
- 2. Display** Select Hard, Soft or Water. For display only.
- 3. Minimum Runway Length** Select from 2000 to 7000 feet. For display only.
- 4. Range Dots** Selects range for nav aids. For display only.
- 5. Selection Control** Use right knob to move blue field cursor. For display only.
- 6. Change Control** Use left knob to change the value or status of a selected field. For display only.
- 7. Save** Saves settings and returns to main setup page. For display only.
- 8. Cancel** Cancels any changes and returns to main setup page.

Multifunction Display [Setup/Checklists]

The Data Block setup page displays data from a set of available [default data]. A series of dashes ---/--- represents data which is invalid or unavailable. Note: "For display only" means no user changes available. Note: Option #6 is available from this page.



1. **Left Data Block** Allows up to 6 lines of data for display. For display only.
2. **Right Data Block** Allows up to 6 lines of data for display. For display only.
3. **Selection Control** Use right knob to move blue field cursor. For display only.
4. **Change Control** Use left knob to change the value or status of a selected field. For display only.
5. **Save** Saves settings and returns to main setup page. For display only.
6. **Cancel** Cancels any changes and returns to main setup page.

Multifunction Display [Setup/Checklists]

The System Time setup page displays data from a set of available [default data] in flight simulator. Note: "For display only" means no user changes available. Note: Option #8 is available from this page.

AVIDYNE

System Time

Configure Date/Time, UTC offset and Menu Timeout
Menu Timeouts apply only to Map, TAWS pages

Time Source: **Manual Set**

Year: **2008** Month: **01** Day: **07**

Hour: **9 PM** Minute: **45** Second: **07**

Time Zone: **UTC - 5 Hours**

GPS:	Sat., 04/22/00	03:00:55
Local:	Sun., 03/07/04	16:45:07
UTC:	Sun., 03/07/04	21:45:07

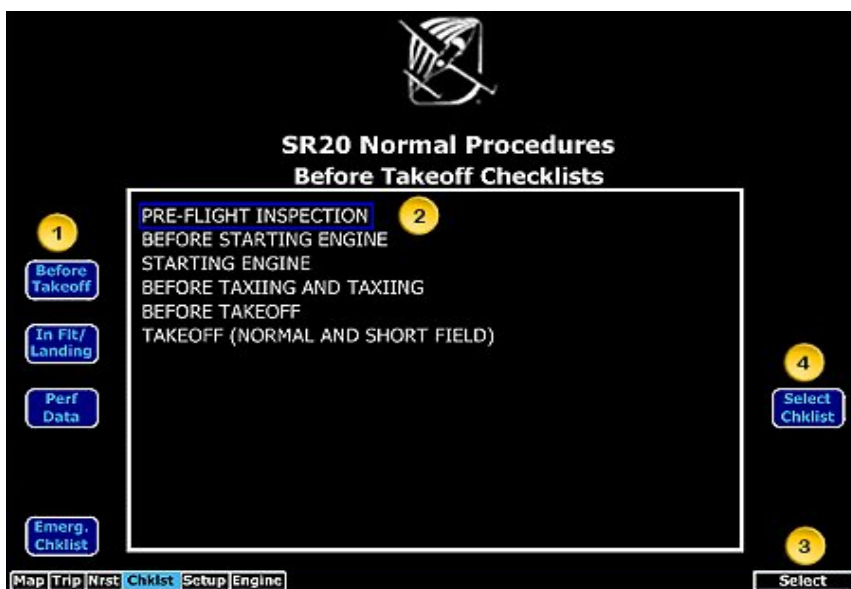
Menu Timeout: **Never**

Change **Select** **Save** **Cancel**

1. **Time Source** Uses default flight simulator as time source. For display only.
2. **Time and Date** Uses default flight simulator as time source. For display only.
3. **Time Zone** Uses default flight simulator as time source. For display only.
4. **Menu Timeout** Uses default flight simulator as time source. For display only.
5. **Selection Control** Use right knob to move blue field cursor. For display only.
6. **Change Control** Use left knob to change the value or status of a selected field. For display only.
7. **Save** Saves settings and returns to main setup page. For display only.
8. **Cancel** Cancels any changes and returns to main setup page.

Multifunction Display [Setup/Checklists]

Turning the left knob to Checklist on the page bar brings up the Checklist Page which provides a list of all the Normal Procedure checklists.



1. Checklist Type Provides access to the Top Level Normal Checklist for each phase of flight including: Before Takeoff, In Flight, Landing/Post Flight, and Performance data. **Note: Engine Pre start Checklist is available on the FS9 Kneeboard for easy reference.**

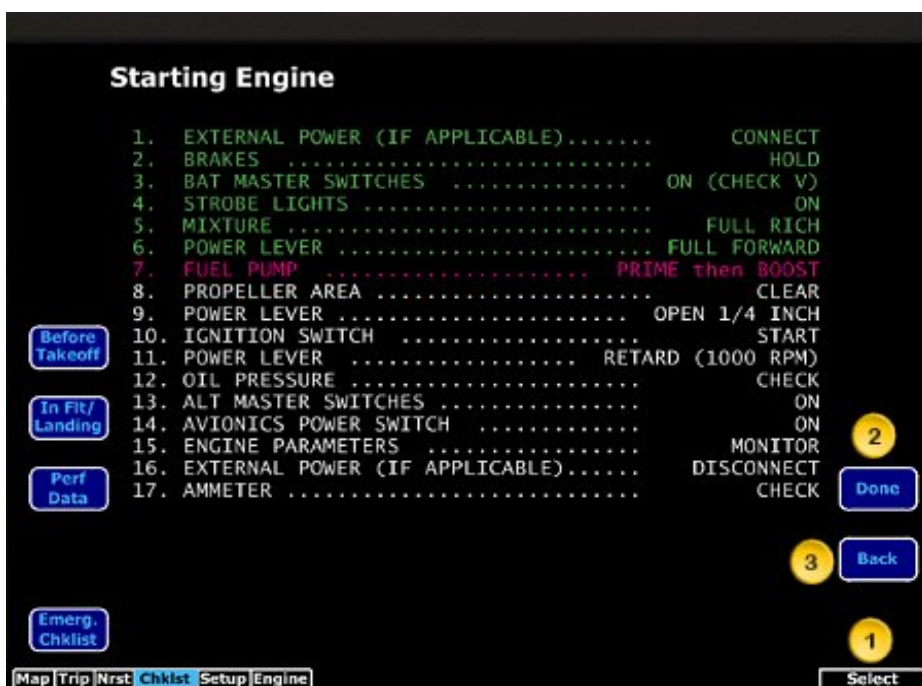
2. Available Checklist Menu of checklists within each type. Normal Checklists will automatically sequence in order as checked off.

3. Selection Control Rotating the right knob allows selection/moving of the blue outlined box up or down to highlight a specific checklist within each menu for viewing.



4. Select Checklist Press Select Checklist button to view the highlighted Checklist.

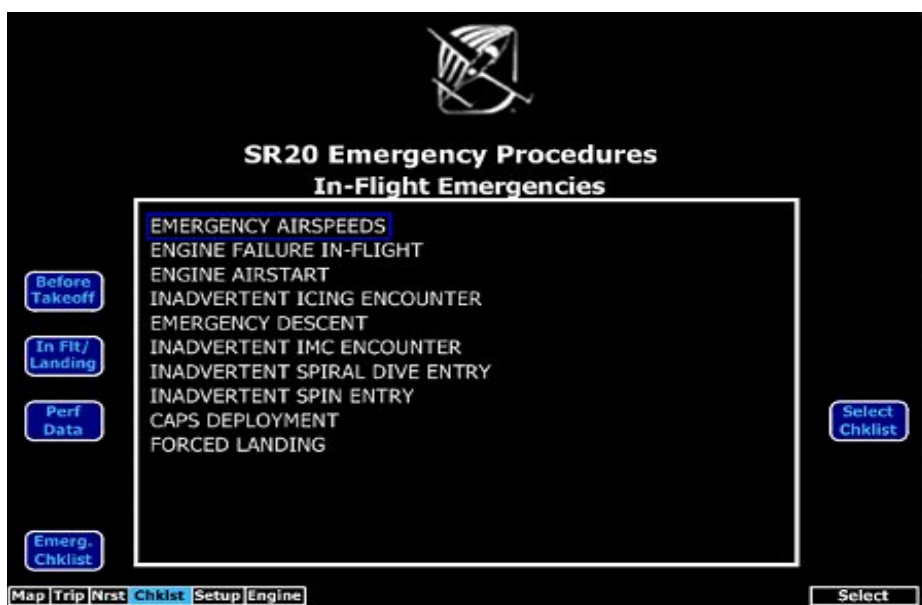
Multifunction Display [Setup/Checklists]



1. Selection Control Rotating the right knob allows selection/moving of the blue outlined box up or down to highlight a specific checklist function within each menu for viewing. The current Checklist step is highlighted in **Magenta** to identify the current selection.

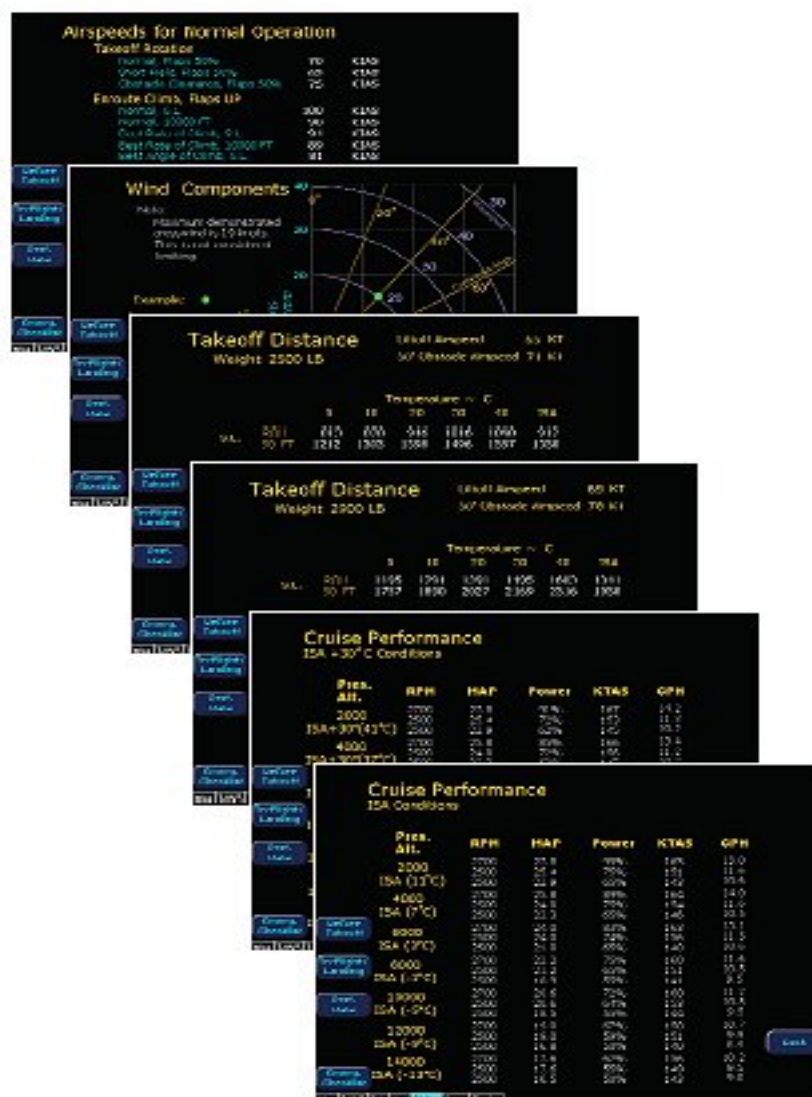
2. Done Button Pressing Done button changes the current Checklist Item to **Green** and automatically steps down to the next Checklist Item.

3. Back Button Pressing Back button brings the pilot back to menu of Checklists in each type.



4. Emergency Checklist Is always available from any page. Selection screens work the same as above. Select Checklist button to view the highlighted Checklist.

Multifunction Display [Setup/Checklists]



Checklist Performance Data

The Performance Data Tables and Charts are accessible from the Normal Procedures page. All data is derived from the aircraft POH.

The five data tables/charts available are:

1. Airspeeds for Normal Operation
2. Wind Components
3. Takeoff Distances
4. Cruise Performance
5. Landing Distances

In all airspeed and performance tables, the POH contains the most complete data available.

Multifunction Display [CMAx Chart]

CMAx Chart with "Moving Map" function scheduled for possible future development. Cost to be determined.

Multifunction Display [TAWs]

TAWs with "Moving Map" function scheduled for possible future development. Cost to be determined.

Multifunction Display [Broadcast Data Link Weather]

Broadcast Data Link Weather function scheduled for possible future development. Cost to be determined.

Note: For Real World information and free Real World PDF Documents please visit the Avidyne Site from the following URL. <http://www.avidyne.com/techpubs.shtm>

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