

huVVer-AVI Quick Reference

www.huverver.tech

Software Version 7 & 8

Startup Options

Power on or Restart	Button	Action	Function
	Menu + Select	Hold	Restore system settings to factory default
	Menu	Hold	Restart in WiFi Manager mode to edit credentials
	Select	Hold	After startup - exit WiFi Receive mode and restart

In Flight Options

in Main Menu	Button	Action	Function
	Menu	Press	Display configuration settings in List Menu
	Menu	Hold 4 seconds	Switch Serial ports. If in WiFi Receive, switch to active Serial port
	Select	Press	Adjust screen brightness up or down
	Select	Hold 1 second	Toggle brightness direction
	Select	Hold 4 seconds	Restart the unit (Brightness message will flash)
	Fwd	Press	Select the next enabled instrument page
	Back	Press	Select the previous enabled instrument page
in List Menu	Button	Action	Function
	Menu	Press	Save changes and exit to Main Menu
	Select	Press	Edit the selected setting in Action Menu
	Fwd	Press	Select the next setting
	Back	Press	Select the previous setting
in Action Menu	Button	Action	Function
	Menu	Press	Keep the edited value and return to List Menu
	Select	Press	Cycle through available digit fields
	Fwd	Press	Increment digit
	Back	Press	Decrement digit

WiFi Manager

Button Operation	Button	Action	Function
	Menu	Press	Enter value or execute an action.
	Menu	Press	When cursor is on Save/Exit, will save edited credentials and exit
	Select	Press	Move cursor down
	Select	Hold	Exit without saving
	Fwd	Press	Move cursor right
	Back	Press	Move cursor left
Editing	Field	Action	Function
	Back	Menu press	Backspace one character
	Clear	Menu press	Clear entry
	Space	Menu press	Enter a space character (normally an illegal value)
	Shift	Menu press	Switch between lower case, upper case and special characters
	Enter/Next	Menu press	Select the next credential to edit
	Save/Exit	Menu press	Save all credentials and exit to main program (restart)

WiFi Manager is selected by holding the Menu button down at startup or by selecting WiFi Manager in System Configuration menu

System Configuration

Setting	Name	Range	Function
1	ASI Enable	0 or 1	1=enable instrument
2	ALT Enable	0 or 1	1=enable instrument
3	HDG Enable	0 or 1	1=enable instrument
4	AI Enable	0 or 1	1=enable instrument
5	AOA Enable	0 or 1	1=enable instrument
6	Energy Enable	0 or 1	1=enable instrument
7	Power Enable	0 or 1	1=enable instrument
8	EgtCht Enable	0 or 1	1=enable instrument
9	FuelOil Enable	0 or 1	1=enable instrument
10	FlowOil Enable	0 or 1	1=enable instrument
11	ADAHRS Raw	0 or 1	1=enable instrument
12	SYS Raw	0 or 1	1=enable instrument
13	EMS Raw1	0 or 1	1=enable instrument
14	EMS Raw2	0 or 1	1=enable instrument
15	EMS Raw3	0 or 1	1=enable instrument
16	Dim Channel	0 to 4	0=local, 1 to 4 shared group number
17	WiFi Receive	0 or 1	1=receive WiFi data stream
18	WiFi Transmit	0 or 1	1=transmit serial data over WiFi
19	Demo Mode	0 or 1	1=ignore timeout and data errors
20	OTA Update	0 or 1	1=reboot for Over-The-Air software update
21	WiFi Manager	0 or 1	1=reboot to enter WiFi credentials
22	Serial Port	-2 to 2	1=use Serial1, 2=use Serial2.
23	Restore All	0 or 1	1=restore factory values (all instruments)
24	Restore Page	0 or 1	1=restore factory values, this page only

Notes

All enabled instruments are accessible in flight by pressing the < or > buttons
To set the default instrument to be displayed at power-on, use the 'Favorite' selection on the individual instrument pages.

Some configurations will *automatically* restart the unit, others will require a *manual* restart by holding the **Select** button down. This allows multiple configurations to be made with a single restart.

Any member of the same shared group can control dimming
Compatible with a Dynon SkyView WiFi UDP stream, or a huVVer-AVI in WiFi Transmit mode
Sends serial port data to other huVVer-AVI devices configured in WiFi Receive mode
For test and development only
For downloading a software update .bin file from a portable device
Virtual keypad for entering the ssid and password information for EFIS connections and OTA updates
Normally 1 or 2, -2, -1, and 0 are used for factory test only. Default is 2.
When all else fails, try this to set factory defaults for all instruments. Or, hold Menu and Select buttons down at startup.
Restores just this one page to factory defaults

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ASI-Airspeed Indicator

Setting	Name	Range	Function
1	Favorite	0 or 1	1=set as power-on default page
2	Max Display	0 to 999	Top of arc
3	Min Display	0 to 999	Bottom of arc
4	Vs0	0 to 999	
5	Vs1	0 to 999	
6	Vfe	0 to 999	
7	Vno	0 to 999	
8	Vne	0 to 999	
9	Digit Filter	0 to 99	Digit update filter (typically 5)
10	Units	0 to 2	0=Knots, 1=MPH, 2=km/h (speed)
11	Restore Page	0 or 1	1=restore factory values, this page only

ALT-Altimeter/Vertical Speed Indicator

Setting	Name	Range	Function
1	Favorite	0 or 1	1=set as power-on default page
2	Digit Filter	0 to 99	Digit update filter (typically 5)
3	Units	0 or 1	0=feet, 1=metres (alt & vs)
4	Kollsman Units	0 or 1	0=inHg, 1=Kpa
5	VSI min/max	0 to 9999	
6	Show Units	0 or 1	1=enable units display
7	Restore Page	0 or 1	1=restore factory values, this page only

HDG-Heading Indicator

Setting	Name	Range	Function
1	Favorite	0 or 1	1=set as power-on default page
2	Wind Enable	0 or 1	1=enable wind info & direction
3	Digit Filter	0 to 99	Digit update filter (typically 5)
4	Units	0 to 2	0=Knots, 1=MPH, 2=km/h (wind)
5	Restore Page	0 or 1	1=restore factory values, this page only

AOA-Angle of Attack Indicator

Setting	Name	Range	Function
1	Favorite	0 or 1	1=set as power-on default page
2	AOA Bar 0	0 to 99	AOA bottom green
3	AOA Bar 1	0 to 99	AOA middle green
4	AOA Bar 2	0 to 99	AOA top green
5	AOA Bar 3	0 to 99	AOA bottom of yellow
6	AOA Bar 4	0 to 99	AOA middle yellow
7	AOA Bar 5	0 to 99	AOA top yellow
8	AOA Bar 6	0 to 99	AOA bottom red
9	AOA Bar 7	0 to 99	AOA top red
10	IAS Enable	0 or 1	1=enable Indicated Airspeed
11	TAS Enable	0 or 1	1=enable True Airspeed
12	ALT Enable	0 or 1	1=enable Altitude
13	PALT Enable	0 or 1	1=enable Pressure Altitude
14	HDG Enable	0 or 1	1=enable Heading
15	Gee Enable	0 or 1	1=enable Gee
16	VSI Enable	0 or 1	1=enable Vertical Speed
17	Digit Filter	0 to 99	Digit update filter (typically 5)
18	Units	0 to 3	0=Knots+feet, 1=MPH+feet, 2=km/h+metres, 3=km/h+feet
19	Show Units	0 or 1	1=enable units display
20	Restore Page	0 or 1	1=restore factory values, this page only

AI-Attitude Indicator

Setting	Name	Range	Function
1	Favorite	0 or 1	1=set as power-on default page
2	IAS Enable	0 or 1	Top of arc
3	ALT Enable	0 or 1	Bottom of arc
4	HDG Enable	0 or 1	1=enable Heading
5	Gee Enable	0 or 1	1=enable Gee
6	AOA Enable	0 or 1	1=enable AOA
7	Pitch Enable	0 or 1	1=enable Pitch
8	Digit Filter	0 to 99	Digit update filter (typically 5)
9	Units	0 to 3	0=Knots+feet, 1=MPH+feet, 2=km/h+metres, 3=km/h+feet
10	Show Units	0 or 1	1=enable units display
11	Flight Vector	0 or 1	1=enable flight vector (actual path through space)
12	Extreme Pitch	0 or 1	1=enable pitch recovery arrow
13	Restore Page	0 or 1	1=restore factory values, this page only

With Gee enable and HDG enable both selected, HDG will be displayed in level flight, and Gee will be displayed above 1.5G or lower than 0.5G

ENERGY-OnSpeed Energy Indicator

Setting	Name	Range	Function
1	Favorite	0 or 1	1=set as power-on default page
2	Flaps Enable	0 or 1	1=enable Flaps position indicator
3	AOA Box	0 or 1	1=draw outline on AOA widget
4	IAS Enable	0 or 1	1=enable Indicated Airspeed
5	Gee Enable	0 or 1	1=enable Gee
6	Gee Graph	0 or 1	1=enable Gee ladder on right edge
7	Slip Enable	0 or 1	1=enable Slip indicator
8	Flash AOA	0 or 1	1=flash indicator at high AOA
9	Flash Slip	0 or 1	1=flash Slip ball at high AOA
10	Digit Filter	0 to 99	Digit update filter (typically 5)
11	Units	0 to 2	0=Knots, 1=MPH, 2=km/h
12	Show Units	0 or 1	1=enable units display
13	Restore Page	0 or 1	1=restore factory values, this page only



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POWER-Engine Power Gauge

Setting	Name	Range	Function
1	Favorite	0 or 1	1=set as power-on default page
2	Tach Max	-9999 to 9999	Top of arc (- to disable)
3	Tach Blue	0 to 9999	Bottom of Blue
4	Tach Grey	0 to 9999	Bottom of Grey
5	Tach Green	0 to 9999	Bottom of Green
6	Tach Red	0 to 9999	Bottom of Red
7	MAP Max	-999 to 999	Top of arc (- to disable)
8	MAP Green	0 to 999	Bottom of Green
9	MAP Red	0 to 999	Bottom of Red
10	MAP Units	0 or 1	0=inHg, 1=BAR
11	Fuel Flo Max	-999 to 999	Top of arc (- to disable)
12	Fuel Flo Org	0 to 999	Top of Orange
13	Fuel Flo Red	0 to 999	Bottom of Red
14	Fuel Pr Max	-999 to 999	Upper Digits Red threshold (- to disable)
15	Fuel Pr Min	0 to 999	Lower Digits Red threshold
16	Fuel Pr Units	0 or 1	0=PSI, 1=BAR
17	Fuel Q Low	0 to 999	Digits Red threshold (FF Max - to disable)
18	Fuel Q Units	0 or 1	0=USG, 1=Litres
19	Range Units	0 to 2	0=NM, 1=SM, 2=KM
20	%Pwr Enable	0 or 1	1=enable % power
21	Restore Page	0 or 1	1=restore factory values, this page only

EGTCHT-Engine Cylinder Temperature Gauge

Setting	Name	Range	Function
1	Favorite	0 or 1	1=set as power-on default page
2	Cylinders	1 to 6	1 to 6 cylinders displayed
3	EGT *C Top	-9999 to 9999	Top of EGT display
4	EGT *C Btm	-9999 to 9999	Bottom of EGT display
5	CHT *C Top	-9999 to 9999	Top of CHT display
6	CHT *C Btm	-9999 to 9999	Bottom of CHT display
7	CHT *C Red	-9999 to 9999	CHT Absolute Max
8	CHT *C Org	-9999 to 9999	CHT Recommended Max
9	Units	0 to 99	0=*C, 1=*F
10	%Pwr Enable	0 or 1	1=enable Power, Mileage & Range indication
11	Mileage Units	0 to 5	0=NM/GAL, 1=SM/GAL, 2=km/GAL, 3 = NM/LM 4=SM/LM, 5=km/L
12	Retore Page	0 or 1	1=restore factory values, this page only

FUELOIL-Engine Levels Gauge

Setting	Name	Range	Function
1	Favorite	0 or 1	1=set as power-on default page
2	Fuel L Max	-999 to 999	Top of Left Fuel Level display (- to disable)
3	Fuel L Red	0 to 999	Top of Left low Fuel warning bar
4	Fuel R Max	-999 to 999	Top of Right Fuel Level display
5	Fuel R Red	0 to 999	Top of Right low Fuel warning bar
6	Fuel Units	0 or 1	0=GAL, 1=L
7	Fuel Pr Max	-999 to 999	Top of Fuel Pressure display (- to disable)
8	Fuel Pr Red	0 to 999	Top of minimum Fuel Pressure warning bar
9	Fuel Pr Units	0 or 1	0=PSI, 1=BAR
10	Oil Pr Max	-199 to 199	Top of Oil Pressure display (- to disable)
11	Oil Pr Red	0 or 199	Top of minimum Oil Pressure warning bar
12	Oil Pr Units	0 or 1	0=PSI, 1=BAR
13	Oil *C Max	-999 to 999	Top of Oil Temperature display (- to disable)
14	Oil *C Min	-999 to 999	Bottom of Oil Temperature display
15	Oil *C Org	-100 to 999	Bottom of Oil Temperature orange bar
16	Oil *C Green	-100 to 999	Bottom of Oil Temperature green bar
17	Oil Units	0 or 1	0=*C, 1=*F
18	Volts Max	-999 to 999	Top of Volts display (- to disable)
19	Volts Red	0 to 999	Bottom of Volts green bar
20	Volts Green	0 to 999	Bottom of Volts red bar
21	Amps Max	-999 to 999	Top of Amps display (- to disable)
22	Amps Min	-999 to 999	Bottom of Amps display
23	Amps Red	-999 to 999	Top of Amps red bar
24	Restore Page	0 or 1	1=restore factory values, this page only

FLOWOIL-Engine Flow Gauge

Setting	Name	Range	Function
1	Favorite	0 or 1	1=set as power-on default page
2	Fuel Flo Max	-999 to 999	Top of Fuel Flow display (- to disable)
3	Fuel Flo Red	0 to 999	Top of low Fuel Flow warning bar
4	Fuel Qty Max	-999 to 999	Top of Fuel Quantity display
5	Fuel Qty Red	0 to 999	Top of Fuel Quantity warning bar
6	Fuel Qty Units	0 or 1	0=GAL, 1=L
7	Fuel Pr Max	-999 to 999	Top of Fuel Pressure display (- to disable)
8	Fuel Pr Red	0 to 999	Top of minimum Fuel Pressure warning bar
9	Fuel Pr Units	0 or 1	0=PSI, 1=BAR
10	Oil Pr Max	-199 to 199	Top of Oil Pressure display (- to disable)
11	Oil Pr Red	0 or 199	Top of minimum Oil Pressure warning bar
12	Oil Pr Units	0 or 1	0=PSI, 1=BAR
13	Oil *C Max	-999 to 999	Top of Oil Temperature display (- to disable)
14	Oil *C Min	-999 to 999	Bottom of Oil Temperature display
15	Oil *C Org	-100 to 999	Bottom of Oil Temperature orange bar
16	Oil *C Green	-100 to 999	Bottom of Oil Temperature green bar
17	Oil Units	0 or 1	0=*C, 1=*F
18	Volts Max	-999 to 999	Top of Volts display (- to disable)
19	Volts Red	0 to 999	Bottom of Volts green bar
20	Volts Green	0 to 999	Bottom of Volts red bar
21	Amps Max	-999 to 999	Top of Amps display (- to disable)
22	Amps Min	-999 to 999	Bottom of Amps display
23	Amps Red	-999 to 999	Top of Amps red bar
24	Restore Page	0 or 1	1=restore factory values, this page only

